



X-Lok

Product Catalogue





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IP 68



UL 94-V0



RoHS
Compliant



REACH
Compliant



Audible
Feedback



UV
Resistant



UL 1977
UL 2238 + 50e



Push
Lock

PRODUCT SELECTION GUIDE

Circular (Ceres, X-Lok, M)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed		Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					Cat. 5e	Cat. 6A	
Ceres Series																	
Mini	•				•		B	2-6	•		250V	2A-5A 2A-10A	26-24	2,000			500h
Standard	•				•		B	2-12	•		250-600V	5A+2A 10A+5A	26-20	2,000			500h
Middle	•	•			•		P	2-18	•	•	250-600V	2A-20A 5A+2A 10A+2A 10A+5A	24-14	2,000			500h
Large	•				•		B	2-22	•	•	250-600V	2A-20A 20A+2A 20A+5A	26-16	2,000			500h
Macro	•						P	31	•		200V	5A	26	2,000			500h
PLD			•				P	2-4	•		250V	5A	26-20	2,000			500h
MAB	•						P	4	•		250V	10A	20	2,000			500h
GBD		•					P	8	•		250V	10A+5A	24-20	2,000			500h
X-LOK Series																	
Mini / LED			•				B	2-33	•		30-630V	0.5A-16A 5A-10A	32-14	1,000	•	•	500h
Standard			•				P	2-8	•		300-600V	5A-10A 10A+5A	26-16	1,000			500h
Middle			•				P	2-12	•	•	300-600V	5A-20A 10A+5A	26-12	1,000			500h
Large			•				B	2-100	•	•	60V (0.5A) 300-600V	0.5A-20A 20A+5A 50A	32-26	1,000			500h
Macro			•				P	4-31	•	•	300-600V	50A+5A	22-8	1,000			500h
M Series																	
M5					•		M	3-4	•		60V	1A	26	1,000			48h
Guided M8 / LED					•	Snap-in	B	2-6	•		30-60V	1.5A-3A 3A+1.5A	24-22	1,000			48h
M8 / LED					•	Snap-in	B	3-13	•		30-60V	0.5A-3A	32-22	1,000			48h
M10.5					•		M	2-5	•		30V	2A	24	1,000			48h
M12 A / LED				•	•		B	3-28	•		30-250V	0.5A-4A	30-22	1,000	•		48h
M12 B / LED				•	•		B	5	•		60V	4A	26-22	1,000			48h
M12 D / LED				•	•		B	4	•		250V	4A	26-22	1,000	•		48h
M12 I				•	•		B	5	•		60V	4A	22	1,000			48h
M12 K / LED				•	•		B	3-5	•		630V	12A, 16A	14	1,000			48h
M12 L / LED				•	•		B	2-5	•		63V	16A	14	1,000			48h
M12 M / LED				•	•		B	3-6	•		630V	8A	16	1,000			48h
M12 S / LED				•	•		B	3-4	•		630V	12A	16	1,000			48h
M12 T / LED				•	•		B	2-4	•		63V	12A	16	1,000			48h
M12 X				•	•		M	8	•		30-60V	0.5A	26	1,000		•	48h
M23					•		M	6	•		600V	28A	14-12	1,000			48h

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

Circular (FLOS, Power, RBL, DeepTronica)

	Mating Style						Materials	No. of Contacs	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
FLOS Series															
B				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	144h
K (FLOS+)				•			M	2-32	•		160-700V	1.5A-25A	28-16	5,000	1000h
C				•			M	2-19	•		160-700V	1.5A-20A	28-16	3,000	144h
S				•			M	1	•		260-1000V	15A	28-16	3,000	144h
Y				•		Break Away	M	2-26	•		260-1000V	5A-14A	28-16	5,000	96h
P				•			P	2-14	•		200-400V	2A-10A	28-16	2,000	
N				•			M	2-19	•		200-800V	5A-22A	28-16	3,000	144h
Power Series															
PWE					•		P	5-7	•		277V	8A	20-17	500	500h
PWF					•		P	2-4	•		277V	12A	18-15	500	500h
PWG					•		P	4	•		277V	16A	18-14	500	500h
PWC	•	•					P	3	•		277V	20A	14-12	500	500h
PWCU	•	•					P	4 & 12	•		277V	20A+2A	14-12, 24-22	500	500h
PWH		•			•		P	3, 5	•		660V (AC) 1000V (DC)	25A	12	500	500h
PWL		•					P	3	•		300V	30A	14-8	500	500h
PWM		•					P	2	•		600V	50A	9-8	500	720h
PWMU		•					P	2+2, 2+4	•		600V	50A+2A	9-8, 22-20	500	720h
PWN		•					P	2	•		600V	70A	8-6	500	720h
PWNU		•					P	2+2, 2+4	•		600V	70A + 2A	8-6, 22-20	500	720h
PWP		•					P	2 & 3	•		600V	80A	4	500	720h
PWPD		•					P	2+2, 2+4, 3+2, 3+4	•		600V	80A+5A	4, 20	500	720h
PWX		•					P	9 (30A) 14 (30A+5A) 5 (50A) 12 (50A+5A) 4 (80A) 7 (80A+5A)	•		300-600V	30A, 30A+5A 50A, 50A+5A 80A, 80A+5A	22-20, 14-8, 9-8, 4	500	720h
RBL Series															
Middle			With Latch				P	2-9	•		300V	5A-10A 10A+5A	20-16	250	48h
Large			With Latch				P	2-18	•		300V	5A-20A 20A+5A	24-12	250	48h
DeepTronica															
Bathypelagic (4,000 m)				•			B								
Abysopelagic (6,000 m)				•			B	1-27			200V-1000V	2A-50A	22-8	500-1,000	1000h
Hadopelagic (11,000 m)				•			B								

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: RO (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: RO (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(R0) Receptacle					RW	(FI) Field Installable					OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	Crimp	Screw In	PCB 180	PCB 90		Solder	Crimp	Screw In	Push In	IDC									
•			•	•		•	•				•		•	(2)	•	•		IP50 (Mated)	◦ R0: -40°C - 125°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 125°C
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP50 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•			•	•		•	•				•	•	•	(2)		•		IP50 / IP66 (Mated)	
•			•	•		•	•				•		•	(2)	•	•		IP68 (Mated)	
•						•					•		94-HB	(2)		•	UL1977	IP67 / IP68	◦ R0: -40°C - 105°C ◦ OC: -20°C ~ 80°C ◦ FI: -40°C ~ 105°C
•						•					•		94-HB	(2)		•	UL1977, TUV	IP67 / IP68	
		•						•			•		•	(2)		*	UL1977	IP67 / IP68	
•						•		•			•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
•						•					•	•	•	(2)		•	UL1977, TUV	IP67 / IP68	
	•	•					•	•			•	•	•	(2)		•	UL1977, UL6703A, TUV	IP67 / IP68	
•								•				•	•	(2)		•	UL2238	IP67 / IP68	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
•								•				•	•	(2)		•	UL1977	IP67 (Mated)	
	•						•					•	•	(2)		•	UL1977	IP67 (Mated)	
	•						•					•	•	(2)		•	UL1977	IP67 (Mated)	
												•	•			•	UL1977	IP69K (Mated)	
					•		•				•	•	•	(2)		•	UL1977	RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ RW: -40°C ~ 105°C ◦ OC: -20°C ~ 80°C, Data: -20°C ~ 80°C Power: -20°C ~ 105°C Hybrid: -40°C ~ 105°C ◦ FI: -40°C ~ 105°C
							•				•	*	•	(2)		•			
											•								
					•						•					•		Deep Mating: 300 ~ 800 bar	◦ Air: -40°C - 90°C ◦ Water: -4°C ~ 60°C
					•						•					•			
					•						•					•			

PRODUCT SELECTION GUIDE

Circular (HS-Lok, NMEA 2000, Mini, Heavy Duty Shielded)

	Mating Style						Materials	No. of Contacts	Contacts		Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	Salt Spray (Connector, Mated)
	2 Points Lock	3 Points Lock	Push Lock	Push Pull	Screw Thread	Others			Gold Plated	Silver Plated					
HS-Lok Series															
Q8				•			B	2-6	•		100V (DC), 300V, 300V (AC) + 100V (DC)	2A 5A 5A+2A	24-20	2,000	500h
NMEA 2000															
Lite (Micro)				•	•		B	5	•		60V	4A	16*1P+20*1P 18*1P+22*1P 22*1P+24*1P	Push Pull 500, Screw Thread 1,000	Metal: 48h Plastic: 1,000h
Heavy (Mini)					•		M	4-5	•		600V	8A	15*1P+18*1P 16*1P+18*1P	1,000	
7/8" Mini															
7/8" Mini					•		M	2, 2+PE, 4, 4+PE, 6	•		600V	8A-13A	16	1,000	48h
Heavy Duty Shielded															
Heavy Duty Shielded					*		M	2-14	•		50-300V	5A-40A	22-8	1,000	48h / 500h

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

(R0) Receptacle			RW	(FI) Field Installable				OC	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
Solder	PCB 180	PCB 90		Solder	Crimp	Screw In	Push In	IDC								
•				•				•	•	•	(2)		•	UL2238, UL50e	R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ R0: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C
•	•		•	•		•	•	•		•	(1)	•	•	NMEA 2000	R0: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ R0: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 105°C
•	•					•	•	•		94-HB	(1)	•	•	NMEA 2000		
•	•		•	•	•	•		•		•	(1)		•		R0: IP68 (Unmated) RW: IP68 (Unmated) OC: IP68 (Mated) FI: IP67 (Mated)	◦ R0: -40°C - 105°C ◦ OC: -40°C - 105°C ◦ FI: -40°C - 105°C
•				•				•	•	94-HB	(1)	•	•		R0: IP68 (Unmated) OC: IP68 (Mated) FI: IP68 (Mated)	◦ R0: -40°C - 105°C ◦ RW: -20°C - 85°C ◦ OC: -20°C - 85°C ◦ FI: -40°C - 105°C

PRODUCT SELECTION GUIDE

Other IO (RJ45, USB, D-Sub, SSL, HDMI, DVI)

	Mating Style					Materials	No. of Contacts	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed	
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A
RJ45 Series														
Middle		•		•		B	8		44-57V (DC)	Max. 1.5A	24	750	•	•
Large / I-Adaptor	•	•		•		P	8		44-57V (DC)	Max. 1.5A	24	750	•	
ODVA	•					P	8		44-57V (DC)	Max. 1.5A	24	750	•	
Self-Closing Cover						P	8		44-57V (DC)	Max. 1.5A		750	•	•
USB Series														
Mini USB Type B				•		P		•	30V	1.5A	28*1P + 28*3C	5,000		
Type A	•			•		B		•	30V	USB 2.0: 1.5A USB 3.2Gen1:	28*1P + 24*2C	1,500		
Type B	•			•		B		•	30V	USB 2.0: 1.5A	28*1P + 24*2C	1,500		
Micro USB Swift						M		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A		10,000		
Micro USB Swift-MU					Snap-in	P		•	30V (AC) 5V (DC)	1 & 5 Pin: 1.8A 2, 3 & 4 Pin: 1A	28	10,000		
Type C Swift-LP						M		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-LA					Snap-in	P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-GG				•		B		•	30V (DC)	Up To 5A	32*1P + 24*1C + 28*1D	10,000		
Type C Swift-XL			•			P		•	30V (DC)	Up To 3A	32*1P + 24*1C + 28*1D	10,000		
D-SUB Series														
Standard				•	Automated Latch	M	9, 15, 25, 37, 50*	•	125V (DC)	5A	24	500		
High Density				•	Automated Latch	M	15, 26, 44, 62*, 78*	•	125V (DC)	2A	26	500		
SSL Series														
SSL1.1			•			P	2-6	•	100V	3A	22	100		
SSL1.2			•			P	2-4	•	250V	5A	22-18	30		
SSL1.3						P	1	•	500V	5A		10		
SSL2.1						P	2	•	600V	12A		20		
SSL2.3						P	2	•	500V	3A		100		
HDMI Series														
Circular				•		P	19	•	30V (AC)	0.5A	26	500		
Rectangular			•		With Latch	P	19	•	30V (AC)	0.5A	26	500		
Mini-HDMI				•		P	19	•	30V (AC)	0.5A	30	500		
DVI Series														
DDD						M	25	•	40V (AC)	1.5A	28	100		
DDS						M	19	•	40V (AC)	1.5A	28	100		
DID						M	29	•	40V (AC)	1.5A	28	100		
DIS						M	23	•	40V (AC)	1.5A	28	100		

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

High Speed			Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
USB 2.0	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	PCB 90 & 180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ R0 : -40°C - 105°C, IP67 (Unmated)
			48h	PCB180, Jack 90 & 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	◦ RP : -20°C - 85°C, IP67 (Unmated) ◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
			48h	Jack 180		•	•	•	•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	
			48h	•					•	•	(2)	•	•	TIA/EIA-568, IEC 60603-7	-40°C - 105°C, IP67 (Unmated)
•			48h	•	•			•		94V-HB	(2)	•	•		◦ R0 : -40°C - 105°C, IP67 (Unmated)
•	•		48h	Type 1 & 2, Jack, PCB 180	•			Solder		•	(2)	•	•		◦ RW : -20°C - 85°C, IP67 (Unmated)
•			48h	Type 1 & 2, Jack, PCB 180	•			Solder		•	(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
•			48h	•						•	(2)	•	•		-30°C - 80°C, IP67/IP68 (Unmated)
•			48h					•		•	(2)	•	•		-40°C - 80°C, IP67 (Mated)
		•	48h	•						•	(2)	•	•		-40°C - 85°C, IP67 (Unmated)
•	•		48h	•				•		•	(2)	•	•		◦ R0 : -40°C - 85°C, IP68 (Unmated) ◦ OC : -20°C - 85°C, IP67 (Mated)
	•	•	48h	•				•		•	(2)	•	•		◦ R0 : -40°C - 85°C, IP67 (Unmated) ◦ OC : -20°C - 85°C, IP67 (Mated)
	•		48h					•		•	(2)	•	•		◦ OC : -20°C - 85°C, IP68 (Mated)
			8h	Solder, PCB 90& 180				• Solder, Crimp			(2)	•	•		◦ R0 : -40°C - 105°C, IP68 (Unmated)
			8h	Solder, PCB 90& 180				• Solder, Crimp			(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated) ◦ FI : -40°C - 105°C, IP67 (Mated)
				•				•		•	(2)		•	CSA C22.2, UL1977	-40°C - 105°C, Non-IP
				•				•		•	(2)		•	CSA C22.2, UL1977, cUL UL2238+UL50e	-40°C - 105°C, IP68 (Mated)
				•						•	(2)		•	CSA, UL1977	-40°C - 105°C, Non-IP
				•						•	(2)		•	CSA, UL1977	-40°C - 105°C, Non-IP
										•	(2)		•		-40°C - 105°C, Non-IP
			48h	•				•		94V-HB	(2)	•	•		◦ R0 : -20°C - 85°C, IP67 (Unmated)
			48h	•				•		94V-1	(2)	•	•		◦ OC : -20°C - 85°C, IP67P (Mated)
			48h	•				•		•	(2)	•	•		
			8h	•				•			(2)		•		◦ R0 : -40°C - 105°C, IP68 (Unmated)
			8h	•				•			(2)		•		◦ OC : -20°C - 85°C, IP67P (Mated)
			8h	•				•			(2)		•		
			8h	•				•			(2)		•		

PRODUCT SELECTION GUIDE

Other IO (Fiber, ZConnect, RF)

	Mating Style					Materials	No. of Contacs	Gold Plated	Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Mating Cycles (Pin Contact)	High Speed	
	2 Points Lock	3 Points Lock	Push Lock	Screw Thread	Others								Cat. 5e	Cat. 6A
Fiber Optic Series														
LC		•												
SC		•												
ZConnect Series														
FPC / FFC / WTB					Quick Plug	B	40, 36, 20, 18, 12	•	120V	1A		10		
RF Series														
SMA Type				•		M	1	•	335 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG178	500		
N Type				•		M	1	•	1,000 Volts RMS At Sea Level		1.13mm, 1.32mm, 1.37mm, RG142, RG178. G58 A/U	500		

Other (Cable Joiner, Cable Gland, Protective Vent, LED)

	Mating Style		Materials	No. of Contacs	Contacts				Operating Voltage (AC/DC)	Nominal Current	Applicable Wires (AWG)	Salt Spray (Connector, Mated)	Receptacle
	Push Lock With Latch	Screw Thread			Gold Plated	Nickel Plated	Thermo plastic	SUS316L					
Cable Joiner Series													
M20		•	P	None, 4	•					10A	22-16		
M32	•		P	None, 4	•					15A-30A	16-10		
FICX I Tube (11)		•	P	2-5		•			450V (Non-UL) 600V (UL)	10A-30A	20-12		
FICX I Tube (12)		•	P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12		
FICX XI Tube (13)		•	P	2-5		•			450V (Non-UL) 600V (UL)	8A-20A	18-12		
FICX T Tube (T2)		•	P	2-5		•			450V (Non-UL) 600V (UL)	10A-20A	20-12		
Cable Gland Series													
Cable Gland		•	B									•	
Protective Vent													
M6 Plastic		•	P				•					1,000h	•
M12 Snap-in		•	P				•					1,000h	•
M12 Stainless		•	M					•				1,000h	•
M12 Plastic		•	P				•					1,000h	•
M12 Metal		•	M			•						48h	•
LED Light Guide													
Ø3mm			B				•		4V				•
Ø5mm			M				•		4V				•

Remarks:

Materials: P (Plastic), M (Metal), B (Both)

Assemble Style: R0 (Receptacle), RW (Receptacle With Wires), RP (Receptacle With Pigtail), RC (Receptacle With Overmolded Cable), OC (Overmolded With Cables), FI (Field Installable)

Vibration: (1) 10-500 Hz @Amplitude 0.35mm; (2) 10-55Hz @Amplitude 1.52mm

Operation Temperature & IP Rating: R0 (Receptacle), RW (Receptacle With Wires), OC (Overmolded With Cables), FI (Field Installable)

PRODUCT SELECTION GUIDE

High Speed			Salt Spray (Connector, Mated)	R0	RW	RP	OC	FI	UV Resistant	UL 94V-0	Vibration	EMI Option	ROHS 2.0 & REACH	Standard / Compliant / Certifications	Operating Temperature & IP Rating
USB 2.0	USB 3.2 Gen1	USB 3.2 Gen2													
			48h	•				•	•	•			•		-40°C - 105°C, IP67 (Mated)
			48h	•				•	•	•			•		-40°C - 105°C, IP67 (Mated)
			48h							•			•		-40°C - 110°C, Non-IP
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)
			48h	•								•	•	MIL-C-39012	-40°C - 105°C, IP68 (Unmated)

Field Installable	UV Resistant	UL 94V-0	Vibration	ROHS 2.0 & REACH	Certifications	IP Rating	Operating Temperature
•	•	94V-2		•		IP67	-40°C - 105°C
•	•	•		•	UL6703A	IP67	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•	•	•		•	CSA, UL2238, UL50e	IP68 (Mated)	-40°C - 105°C
•		94V-0 94V-2	(2)	•		IP67 (Mated) IP68 (Mated)	• R0 : -20°C - 105°C • FI : -20°C - 105°C
	•	•		•		IP66, IP68	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
	•	•		•		IP68, IP69K	-40°C - 125°C
						IP67	• Red & Green : -30°C - 80°C • Others : -40°C - 80°C
						IP67	• Red & Green : -30°C - 80°C • Others : -40°C - 80°C

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
LED Lighting																								
Architectural Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Outdoor LED Displays	•	•	•	•	•	•				•		•		•				•		•	•	•		
Outdoor Signage	•	•			•	•				•		•		•				•		•	•	•		
Entertainment Lighting & Systems	•	•			•	•		•		•		•		•				•		•	•	•		
Smart City, Street Lighting	•	•			•	•				•		•		•				•		•	•	•		
Tunnel Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Parking Lighting	•	•			•	•		•		•		•		•				•		•	•	•		
Cruise & Shipyards Lighting	•	•	•		•	•		•	•	•		•		•				•		•	•	•		
High Speed Train & EV Bus	•	•			•	•		•		•	•	•		•				•		•	•	•		
Commercial Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Refrigeration Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Horticulture Lighting	•	•	•		•	•				•		•		•				•		•	•	•		
Warehouse Lighting	•	•			•	•				•		•		•				•		•	•	•		
Emergency Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
UV and Sanitary Lighting	•	•	•		•	•		•		•		•		•				•		•	•	•		
Li-Fi	•	•			•	•						•		•				•	•	•	•	•		
Hospital Surgical Lighting & Room	•	•	•		•	•		•		•		•		•				•		•	•	•		
ATEX Lighting	•	•			•	•		•						•				•		•	•	•		
Underwater / Submerged Lighting	•	•			•	•								•				•				•		
Marine																								
Multi-Function Display	•	•	•	•	•	•			•	•	•	•	•			•	•	•	•			•	•	•
Outboard Motors	•	•	•		•	•			•	•	•	•	•					•			•			
Bilge Pump	•	•	•		•	•			•	•	•	•	•					•			•			
Heater	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
HVAC (Heating Ventilation Air Conditioning)	•	•	•		•	•		•	•	•	•	•	•					•		•	•	•		
Fridge	•	•	•		•	•		•	•	•	•	•	•					•			•			
Docking System	•	•	•		•	•	•		•	•	•	•	•					•			•			
Windlass	•	•	•		•	•			•	•	•	•	•					•			•			
Sensors	•	•	•		•	•			•	•	•	•	•					•			•			
RADAR	•	•	•		•	•		•	•	•	•	•	•					•	•		•			
Antenna	•	•	•		•	•		•	•	•	•	•	•					•	•		•			
USB Charger	•	•	•		•	•		•	•	•	•	•	•					•		•	•			
Audio System	•	•	•		•	•		•	•	•	•	•	•		•			•		•	•	•		
Lighting System	•	•	•		•	•		•	•	•	•	•	•	•	•			•		•	•	•		•
CCTV	•	•	•		•	•		•	•	•	•	•	•		•	•		•			•			
Power Controller	•	•	•		•	•			•	•	•	•	•					•		•	•	•		•
Autopilot System	•	•	•		•	•			•	•	•	•	•		•	•		•	•		•	•		•
Automatic Identification System	•	•	•		•	•		•	•	•	•	•	•		•	•		•	•		•	•		•
GPS, Beacon & Lifebuoy	•	•	•		•	•		•	•	•	•	•	•					•	•		•			
Sonar / Transducer	•	•	•						•									•			•			
Fish-Finders	•	•	•						•	•	•	•	•					•			•			
Chartplotter	•	•	•						•	•	•	•	•		•	•		•			•			•
Sailing Instruments	•	•	•						•	•	•	•	•		•	•		•			•			•
Shipyards & Cruise	•	•	•						•	•	•	•	•		•	•		•			•			•
Drilling Systems							•																	
Seaport							•																	
Submarine							•																	
ROVs							•																	
Marine Renewable Energy							•																	
ROTV							•																	
Buoys							•																	
Underwater Vehicles							•																	
Underwater Equipment							•																	
Diving							•																	
Broadband Wireless Access																								
General Small Cells	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	•
RRH (Remote Radio Head)	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•		
Wireless Mobile Backhaul	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•		
High Capacity Mobile Subscriber Unit	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor Base Station Unit	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor LTE	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor AP	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	•
Subscriber Station	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Outdoor Wireless Mesh Router	•	•	•		•	•		•		•	•	•	•				•	•	•	•	•	•	•	
Base Station Power Supply	•	•		•	•	•		•		•	•						•	•	•	•	•	•	•	
Communication System															•		•							
Outdoor Wireless Mesh Router	•	•			•	•		•		•	•	•	•				•	•	•	•	•	•	•	

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Industrial Automation																								
Robotic Arm			•	•				•		•	•							•						
Industrial Server / Network	•	•	•	•	•			•		•	•	•	•		•	•	•	•	•			•	•	•
Industrial Forklifts (Truck)	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•		•
AVI (Automatic visual inspection)	•	•	•	•	•			•		•	•							•						
Data Communication System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•
Industrial Control Center	•	•	•	•	•	•		•		•	•	•	•		•	•		•				•	•	•
Packaging Center	•	•	•	•	•			•		•	•							•						
Conveyors	•	•	•	•	•			•		•	•							•						
Sensors			•							•	•							•						
Power Distribution	•	•	•	•	•	•				•	•							•						
Actuators	•	•	•							•	•							•						
Motor Drives	•	•	•		•	•				•	•							•						
Industrial PC & Displays	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•	•	•
Machine Tools	•	•	•	•	•	•				•	•							•						
Switches		•	•							•	•	•	•					•						•
Production Equipment	•	•	•	•	•	•	•			•	•	•	•					•				•	•	•
Renewable Energy																								
PV / DC Inverter	•	•	•		•	•				•	•	•						•		•	•	•	•	
Micro Inverter										•	•							•			•	•	•	
CSP & CPV	•	•	•		•	•				•	•							•			•	•	•	
Heliostat	•	•	•		•	•				•	•							•			•	•	•	
PV Trackers	•	•	•		•	•				•	•							•			•	•	•	
PV ICS (Integrated Control Systems)					•	•				•	•	•						•			•		•	
Portable Energy	•	•	•		•	•		•		•	•	•	•					•						
Communication System	•	•	•	•	•	•				•	•	•	•		•	•	•	•	•		•	•	•	•
PDC (Power Distribution Control)	•	•	•	•	•	•				•	•	•						•	•		•	•	•	•
Wind Turbine	•	•	•	•	•	•				•	•	•						•			•	•	•	•
Energy Storage System	•	•	•		•	•				•	•	•						•			•	•	•	•
Tidal Power Generation System	•	•	•	•	•	•				•	•	•						•			•	•	•	•
Heavy Equipment																								
Electronic Toll System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Automotive Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•			•	•	
Agriculture Electronic Equipment	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•		•	•		•
Lidar & Radar	•	•	•	•	•					•	•	•	•		•	•		•						
ADAS (Advanced Driver Assistance Systems)	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Telematics & Tracking	•	•	•		•	•		•		•	•	•	•		•	•		•	•	•	•	•	•	•
Camera & Monitoring	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Control System	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Display	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
GPS System	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Lighting	•	•	•		•	•				•	•			•				•		•	•			
Measurement Systems	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•		•
Sensors		•	•	•	•			•		•	•							•						
Automated Meter Reading																								
Water Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Electricity Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Gas Meter	•	•	•	•				•				•	•					•	•		•	•	•	
Alarm System	•	•	•	•				•				•	•					•	•		•	•	•	
Military Drone	•	•	•	•				•										•	•		•	•	•	
Vehicle Tracking	•	•	•	•				•				•	•					•	•		•	•	•	
Telemetry	•	•	•	•				•				•	•					•	•		•	•	•	
Sewage	•	•	•	•	•	•		•				•	•					•	•		•	•	•	
Rugged IT																								
Telemetry		•	•	•				•				•						•	•		•	•		
Rugged & Military VR and AR		•	•	•				•					•					•	•		•	•		
Rugged Notebook				•								•	•		•	•		•	•					•
Night Vision Goggle			•	•				•					•					•						
Miniature Camera													•					•	•					
Rugged Tablet												•			•	•		•	•					
Communication Devices				•								•	•		•	•		•	•				•	•

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Test Equipments																								
Air Flow Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Gas Detectors	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Precision Surveying	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Earthquake Monitoring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Humidity Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Leak Detectors	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Light Measuring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Sound Measuring	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Water Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Weighing Devices	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Weigh Modules	•	•	•	•	•	•		•		•	•	•	•					•	•		•	•		
Heavy-duty Scales	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Floor Scales	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•			•		•
Wet Area Weighing	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Dosing Systems	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
In-Motion Weighing	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Borescope	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Image Measurement	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Timers / Timer Display	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Laser Marking System	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Digital Microscopes	•	•	•	•	•	•		•		•	•	•	•					•	•			•		
Hybrid Electric Vehicles																								
Electric Wheelchair	•	•	•	•	•	•		•		•	•							•						
Electrical and Electronic Speed Control	•	•	•	•	•	•		•		•	•							•						
Electrical and Electronic Brake System	•	•	•	•	•	•		•		•	•							•						
Throttle Controller	•	•	•	•	•	•		•		•	•							•						
Battery Module	•	•	•	•	•	•				•	•	•	•	•				•				•	•	
Motor Module	•	•	•	•	•	•				•	•	•	•	•				•			•	•		
Gear Shift Module	•	•	•	•	•	•				•	•	•	•	•				•				•		
Controller Unit	•	•	•	•	•	•				•	•	•	•	•				•				•		
Charge Plug / Inlet	•	•	•	•	•	•				•	•	•	•	•				•				•		
Charging Station	•	•	•	•	•	•				•	•	•	•	•				•				•		
Home Charge Platform	•	•	•	•	•	•				•	•	•	•	•				•				•		
Hoverboard	•	•	•	•	•	•				•	•	•	•	•				•				•		
Electric Scooter	•	•	•	•	•	•		•		•	•							•			•			
Railway Mass Transit																								
Infotainment Systems	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
In-Vehicle Information System	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Indication Display	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Navigation/GPS	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•					•
HVAC (Heating Ventilation Air Conditioning)	•	•	•	•	•	•		•		•	•	•						•						
Fuel Leakage Detector	•	•	•	•	•	•		•		•	•	•	•					•						
Broadcasting System	•	•	•	•	•	•		•		•	•	•	•					•			•			
Vehicle Monitoring	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•			•
Cleaning Control	•	•	•	•	•	•		•		•	•	•	•					•						
Speedometer	•	•	•	•	•	•		•		•	•							•						
Interior Lighting	•	•	•	•	•	•		•		•	•	•	•	•				•				•		
Mobile Devices																								
DRC (Drone Remote Controller)	•	•	•	•	•	•		•					•					•	•					
Altimeter	•	•	•	•	•	•		•					•					•	•					
Barcode Reader	•	•	•	•	•	•		•					•					•						
GPS Safety Guard		•											•					•	•					
Portable Lamp	•	•						•					•					•						
Gesture Measurement	•	•						•					•					•						
Wearables													•					•	•					

Served Markets & Applications

Applications	Ceres	X-Lok	M series	FLOS & FLOS+	Power	RBL	Deep Tronica	HS-Lok	NMEA 2000	7/8" Mini	Heavy Duty Shielded	RJ45	USB	SSL	HDMI	DVI	Fiber Optics	Zconnect	RF	Cable Joiner	Cable Gland	Vent	LED Light Guide	D-Sub
Transportation																								
Vehicle Camera	•	•	•	•		•		•					•		•			•			•	•		
Switch			•									•	•					•						•
Dome Vehicle Camera	•	•	•			•												•						
RFID Reader																		•	•					
Bus GPS	•	•	•	•		•		•				•	•		•	•		•	•					
Displayer	•	•	•	•		•												•						
Outdoor Speaker	•	•	•	•		•												•						
Automotive Winches																		•						
Vehicle Charger	•	•	•			•												•						
Wifi Router												•						•						
Fleet Management	•	•	•	•		•												•						
Digital Video Surveillance System	•	•	•	•	•	•				•	•	•						•					•	
Medical Equipment																								
Medical Displays				•	•							•	•		•	•		•				•		•
Mobile Nursing Carts	•	•			•	•		•		•	•							•			•	•		
Non-invasive Devices	•	•		•	•	•		•		•	•	•	•		•	•		•			•	•		•
Electrical Beds	•	•	•		•	•				•	•							•			•	•		
Charges	•	•			•	•				•	•							•			•	•		
Wheelchair Lift	•	•			•	•				•	•							•			•	•		
Wheelchair Stair Lift	•	•			•	•				•	•							•			•	•		
Rehabilitation System	•	•			•	•				•	•							•			•	•		
Automotive Diagnostics																								
Auto Crash Notification	•	•	•	•	•	•		•		•	•	•	•					•	•					•
Vehicle Tracking	•	•	•		•	•		•		•	•		•					•	•			•		
Vehicle Health Alert & Roadside Assistance	•	•	•	•	•	•		•		•	•	•	•					•	•					•
Remote Vehicle Diagnostics	•	•	•	•	•	•		•		•	•	•	•	•	•	•		•	•			•	•	•
UAV																								
Commercial Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Military Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Consumer Drone	•	•	•	•	•	•		•		•	•	•	•		•	•		•	•		•	•	•	•
Lifts & Materials Handling																								
Forklift	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Industrial Lift	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Materials Handling	•	•	•	•	•	•		•		•	•	•	•		•	•		•			•	•	•	•
Remote Video Response Center																								
Encoders	•	•	•	•	•			•		•	•	•	•		•	•		•	•			•	•	•
Monitoring Station	•	•	•		•	•				•	•	•	•		•	•		•			•			•
CCTV/Dome/IP Camera	•	•	•	•	•			•		•	•	•	•		•	•		•	•	•	•	•	•	•
Remote Control	•	•			•			•				•	•					•			•			
Junction Box	•	•			•							•	•		•	•		•			•	•		•
Automatic LPRS (License Plate Recognition System)	•	•	•	•	•			•		•	•	•	•		•	•		•	•	•	•	•	•	•
Fingerprint ID													•					•						
Alarm System	•	•	•	•	•			•				•	•		•	•		•	•	•	•	•	•	•
Sensor			•															•						
Autonomous																								
GPS	•	•	•	•				•		•	•	•	•		•	•		•	•					
Lidar	•	•	•	•				•		•	•	•	•		•			•			•	•		
Radar Sensors	•	•	•	•				•		•	•							•	•					
Video Cameras	•	•	•	•				•		•	•		•		•			•			•	•		
Central Computer	•	•	•	•				•		•	•	•	•		•			•						
Inertial Measurement Unit	•	•	•	•				•		•	•							•			•			
Inertial Navigation Systems	•	•	•	•				•		•	•							•	•		•			
Commercial Military																								
Commercial Military				•														•						

WE ARE AMPHENOL LTW

Founded in 1993, Amphenol LTW is a leader in rugged and harsh environment interconnects with the largest array of I/O and products ranging from IP65 to IP69K. The company continually provides innovative interconnect solutions for ever-demanding environments and is proactively committed to contributing to a safer and greener environment. Amphenol LTW features interconnects for technologically advanced products with environmentally friendly results.



AMPHENOL LTW TECHNOLOGY & CNC PLANT

- Headquarters: Taipei, Taiwan
- 150 Employees



110+

Amphenol
Divisions



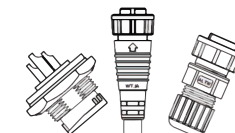
75+

Distribution
Channels



30+

Market
Applications



80,000+

Products



KUNSHAN AMPHENOL ZHENGRI ELECTRONICS

- Kunshan, China
- 400 Employees

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detailed information

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OUR CAPABILITIES

Both factories located in Taiwan and China are ISO9001:2015, ISO14001:2015, and UL certified. Our Test Laboratory is certified by TAF and is member of UL WTDP reliable partner. Wherever required, most of our products are TUV/VDE, UL/CSA certified. Thanks to our strict standards, we are able to contribute to your projects and design exactly what you need. From standard to customized products, Amphenol LTW has the right solutions for your applications.



Test Laboratory Accreditation

Quality Assurance

International Certifications



Automated Production Line

Capability: Contacts, Parts, and Shells

Number of Automatic Machines: 11

Production Capacity : 125,000 pins per day
(24 hours)

Number of CNC Machines: 33

Production Capacity : 125,000 pins per day
(24 hours)

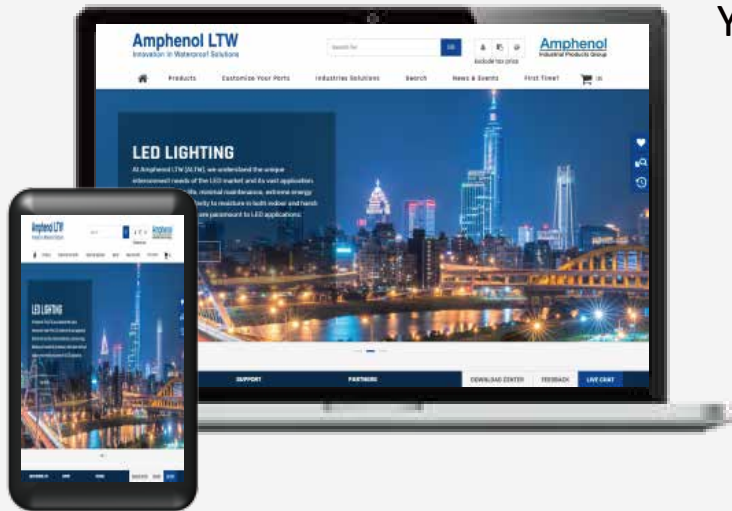


Kunshan Factory – Horizontal Injection Workshop

Molding Machines

Number of Machines: 17

Production Capacity : 3400pcs/hr



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General Catalog

Find All Product Range



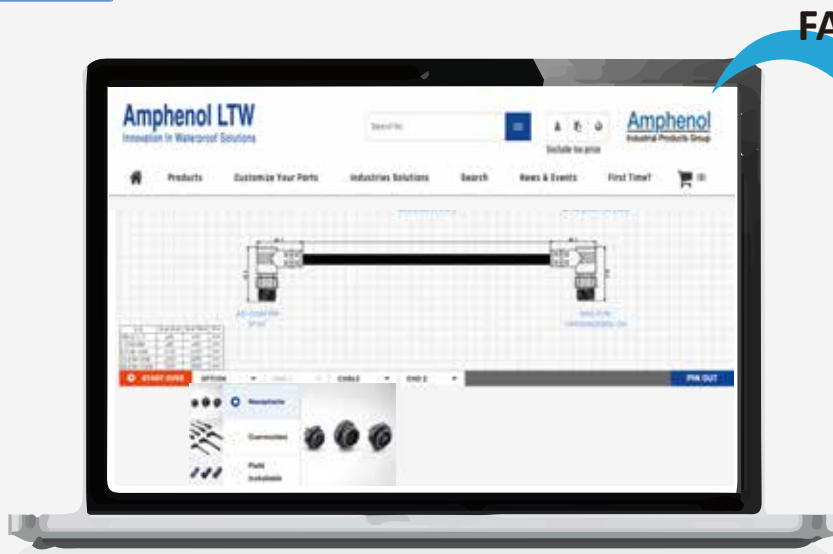
Catalogs by Series

All Market Applications



Market Flyer

Product guidance



FAST

EFFICIENT

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Configure your own connector/cable assembly directly on our website by choosing the components and parts that you need.

www.customcable.com

Benefits

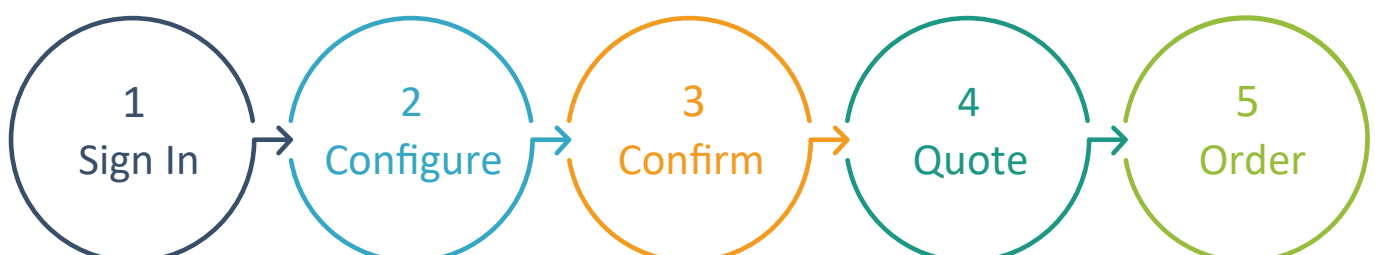
- ✓ Worldwide Access 24/7
- ✓ Easy & Quick Customization
- ✓ Real Time Order Tracking
- ✓ Online Assistance (Live Chat)
- ✓ Instant Drawing Release
- ✓ Instant quotation
- ✓ Order Online

Scan the QR Code
to our CTO platform

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Just A Few Simple Steps





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Augmented Reality (AR) is an interactive and unique technology that combines the virtual and real world.

Amphenol LTW incorporates AR features to your design work for an easy, seamless, fast and unforgettable experience.

Try the AR experience now!

4 Easy Steps



Scan the QR Code and connect to the ALTW AR app

*Available 2022 Q1



iOS



Android

* For smartphones and tablets 

TECHNICAL SUPPORT



ASSISTANCE



AIPG WeChat (ID: AIPG2020)
安费诺工业展品集团
微信公众号: AIPG2020



88677416888

INFORMATION



FAQ

Find answers to frequently asked questions at
<https://www.amphenol.tw/>



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Any comments about the catalog?
Help us improve the catalog user experience by sharing your suggestions.
Email us at
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LED

- Architectural Lighting
- ATEX Lighting
- Commercial Lighting
- Cruise & Shipyards Lighting
- Emergency Lighting
- Outdoor Signage
- Parking Lighting
- Refrigeration Lighting
- UV and Sanitary Lighting
- Train, Bus, Plane & Recreational Vehicles Lighting

- Entertainment Lighting & Systems
- Horticulture Lighting
- Hospital Surgical Lighting & Room
- Li-Fi
- Outdoor LED Displays
- Tunnel Lighting
- Smart Street Lights
- Warehouse Lighting
- Underwater / Submerged Lighting



Marine

- AIS
- Audio System
- Autopilot System
- Bilge Pump
- Chartplotter
- RADAR
- Sailing Instruments
- Power Controller
- Sensors
- Shipyards & Cruise
- Sonar / Transducer

- Docking System
- Fish-Finders
- Fridge & Refrigeration
- GPS, Beacon & Lifebuoy
- Heater
- Lighting System
- Multi-Function Display
- Outboard & Trolling Motors
- USB Charger
- Windlass
- HVAC (Heating Ventilation Air Conditioning)



Industrial Automation

- Actuators
- AVI (Automatic visual inspection)
- Communication System
- Conveyors
- Industrial Control
- Packaging
- Switches

- Industrial Forklifts
- Industrial Network
- Industrial PC & Displays
- Machine Tools
- Motor Drives
- Power
- Production Equipment



Heavy Equipment

- Automotive Diagnostics
- Camera & Monitoring
- Control System
- Display
- Electronic Toll System
- Agriculture Electronic Equipment

- Sensors, Lidar & Radar
- Lighting
- Measurement Systems
- GPS System
- Telematics & Tracking
- ADAS (Advanced Driver Assistance Systems)



Railway Mass Transit

- Infortainment Systems
- Interior Lighting
- In-Vehicle Information
- Navigation / GPS
- Speedometer

- Broadcasting System
- Cleaning Control
- Fuel Leakage Detector
- Vehicle Monitoring
- HVAC (Heating Ventilation Air Conditioning)
- Indication Display



Renewable Energy

- Communication System
- CSP & CPV
- DC Inverter
- Energy Storage System
- Heliostat
- PDC (Power Distribution Control)

- Portable Energy
- PV Inverter
- PV Trackers
- Tidal Power Generation System
- Wind Turbine



Hybrid Electric Vehicles

- Battery Module
- Charge Plug / Inlet
- Charging Station
- Controller Unit
- Electric Scooter
- Electric Wheelchair
- Electrical and Electronic Speed Control

- Gear Shift Module
- Home Charge Platform
- Hoverboard
- Motor Module
- Throttle Controller
- Electrical and Electronic Brake System



Medical

- Charges
- Electrical Beds
- Mobile Nursing Carts
- Non-invasive Devices
- Rehabilitation System

- Wheelchair Lift
- Wheelchair Stair Lift



Remote Video Response Center

- Encoders
- Junction Box
- Monitoring Station
- Remote Control
- Alarm System

- Automatic LPRS (License Plate Recognition System)
- CCTV / Dome / IP Camera



Test Equipment

- Air Flow Measurement
- Borescope
- Digital Microscopes
- Dosing Systems
- Earthquake Monitoring
- Sound Measuring
- Timers / Timer Display
- Water Measurement
- In-Motion Weighing
- Leak Detectors
- Precision Surveying

- Floor Scales
- Gas Detectors
- Heavy-duty Scales
- Humidity Measurement
- Image Measurement
- Weigh Modules
- Weighing Devices
- Wet Area Weighing
- Laser Marking System
- Light Measuring



Broadband Wireless Access

- Outdoor AP
- Outdoor Base Station Unit
- Outdoor LTE
- Outdoor Repeater
- Outdoor Wireless Mesh Router
- High Capacity Mobile Subscriber Unit

- RRH (Remote Radio Head)
- Subscriber Station
- Wireless Mobile Backhaul
- Base Station Power Supply
- General Small Cells



Autonomous

- Video Cameras
- Central Computer
- Radar Sensors
- Inertial Measurement Unit
- Inertial Navigation Systems
- Lidar
- GPS



Lifts & Materials Handling

- Forklift
- Industrial Lift
- Materials Handling



Mobile Devices

- Altimeter
- Barcode Reader
- Portable Lamp
- Gesture Measurement
- GPS Safety Guard
- DRC (Drone Remote Controller)



Rugged IT

- Rugged & Military VR and AR
- Telemetry



Automotive Diagnostics

- Auto Crash Notification
- Remote Vehicle Diagnostics
- Vehicle Health Alert & Roadside Assistance
- Vehicle Tracking



UAV

- Commercial Drone
- Consumer Drone
- Military Drone



Transportation

- Vehicle Camera
- Fleet Management
- Outdoor Speaker
- Vehicle Charger
- Dome Vehicle Camera
- Digital Video Surveillance System
- Bus GPS
- Displayer



Automated Meter Reading

- Electricity Meter
- Gas / Water Meter
- Sewage
- Telemetry
- Alarm / Vehicle System
- Military Drone

Product Range Overview

Sub-Series Name	Mini Size / Mini Size LED	Standard Size	Middle Size	Large Size	Macro Size
Mating Style	Push Lock	Push Lock	Push Lock	Push Lock	Push Lock
Plastic Version	✓	✓	✓	✓	✓
Metal Version	✓	-	-	✓	-
No. of Contacts	2 ~ 33	2 ~ 8	2 ~ 12	2 ~ 100	4 ~ 31
Plating of Contacts	Gold Plated	Gold Plated	Gold Plated Silver Plated	Gold Plated Silver Plated	Gold Plated Silver Plated
Transmission Rate	Cat. 5e / Cat. 6A*	-	-	-	-
Operating Voltage (AC / DC)	30 ~ 630V	300 ~ 600V	300 ~ 600V	60V (0.5A), 300 ~ 600V	300 ~ 600V
Nominal Current	0.5A ~ 16A	5A ~ 10A 10A + 5A	5A ~ 20A 10A + 5A	0.5A ~ 50A 20A + 5A	5A 50A + 5A 80A + 5A
Operating Temperature	• Receptacle & Receptacle With Wires: -40°C ~ 105°C • Overmolded With Cable: (1) Data Group: -20°C ~ 80°C (2) Power Group: -20°C~105°C (3) Hybrid Group: -40°C~105°C • Field Serviceable/Installable: -40°C ~ 105°C				
Fasten Style of Nut	Front	Front & Rear	Front & Rear	Front & Rear	Front
Receptacle	✓	✓	✓	✓	✓
Overmolded With Cable	✓	✓	✓	✓	✓
Field Serviceable/Installable	✓	✓	✓	✓	✓
Accessories	✓	✓	✓	✓	-
Applicable Wire Gauge	32 ~ 14AWG (0.03 ~ 2.5 mm ²)	26 ~ 16AWG (0.14 ~ 1.5 mm ²)	26 ~ 12AWG (0.14 ~ 4.00 mm ²)	32 ~ 12AWG (0.03 ~ 4.00 mm ²)	22 ~ 8AWG (0.34 ~ 10.00 mm ²)
Wire Gauge for UL Approval		5A: 20AWG 10A: 16AWG	5A: 20AWG 10A: 16AWG 20A: 12AWG	5A: 20AWG 20A: 12AWG	
Mating Cycles (Pin Contact)	1,000 Cycles				
IP Rating	Receptacle & Receptacle With Wires: IP68 (Unmated, 1M / 24h) Overmolded With Cable, Field Serviceable/Installable: IP68 (Mated, 1M / 24h)				
Salt Spray (Connector, Mated)	500h (Mated Condition)				
UV Resistant	✓	✓	✓	✓	✓
Flammability Rating	UL 94V-0				
Vibration	Frequency Range 10 ~ 55Hz / Amplitude 1.52mm				
EMI Option	✓	-	-	✓	-
RoHS 2.0 Compliant	✓	✓	✓	✓	✓
REACH Compliant	✓	✓	✓	✓	✓
Certificates	CSA, UL1977, UL2238, UL50e				
Standard / Compliant	✓	✓	✓	✓	✓

Contact Configuration

	Mini Size (A)								Standard Size (B)											
	Data								Power	Data				Power				Hybrid		
	0.5A (AY)* (ASY)*	1.5A (AZ)	1.5A (ASZ)*	2A (AU) (ASU)*	5A (AD) (ASD)*		LED 5A (LAD)		16A (AG) (ASG)*	5A (BD)		10A (BB)		5A (BD)		10A (BB)		10A+5A (BBD)		
	MM/FF	MM/FF	MM/FF	MM/FF	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	
2 Pin																				
					R C F	R C F	R C F	R C F		R C F	R C F	R C F	R C F			R C F	R C F			
3 Pin																				
					R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	R C F	
4 Pin																				
					R C F		R C F		R C F	R C F	R C F	R C F	R C F				R C F		R C F	R C F
5 Pin																				
					R C F		R C F		R C F	R C F	R C F	R C F	R C F						R C F	R C F
6 Pin																				
				R C F						R C F	R C F	R C F	R C F						R C F	R C F
7 Pin																				
										R C F										
8 Pin																				
				R C F						R C F										
9 Pin																				
10 Pin																				
		R C F	R C F																	
11 Pin																				
12 Pin																				
		R C F	R C F																	
14 Pin																				
17 Pin																				
		R C F	R C F																	
18 Pin																				
	R C F																			
24 Pin																				
	R C F																			
30 Pin																				
	R C F																			
31 Pin																				
33 Pin																				
	R C F																			
78 Pin																				
100 Pin																				

*Upon Request R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

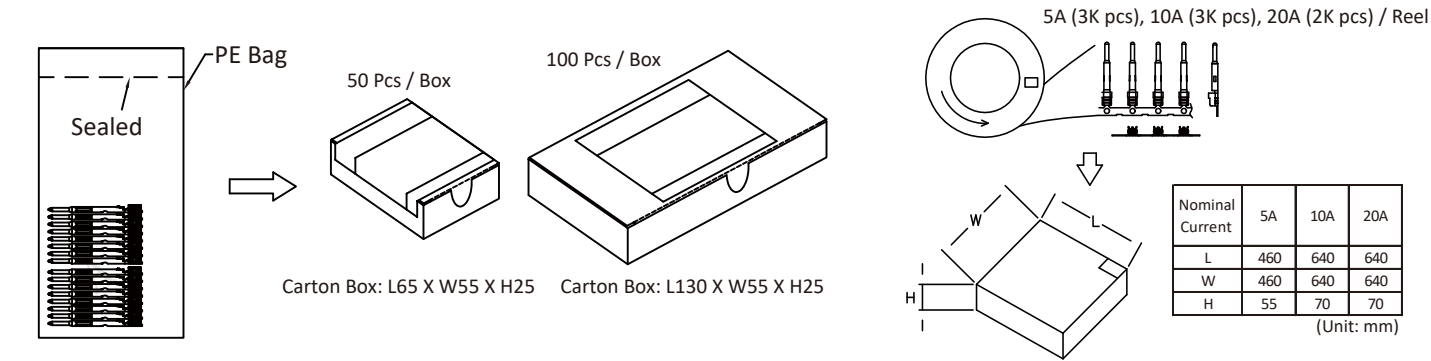
Contact Configuration

	Middle Size (C)								Large Size (D)										Macro Size (E)		
	Data				Power		Hybrid		Data				Power		Hybrid		Data	Hybrid			
	5A (CD)		10A (CB)		20A (CC)		10A+5A (CBD)		0.5A		5A (DD) (DSD)*		20A (DC)		50A (DM)*	20A+5A (DCD) (DSCD)*		5A (ED)*	50A+5A (EMD)*	80A+5A (EPD)*	
	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MF/FM	MM/FF	MM/FF	MF/FM	MM/FF	MM/FF	MM/FF	
2 Pin																					
					R C F	R C F							R C F	R C F							
3 Pin																					
					R C F	R C F							R C F	R C F	R C						
4 Pin																					
			R C F	R C F			R C	R C					R C F	R C F		R C	R C		R C F	R C F	
5 Pin																					
			R C F	R C F			R C	R C					R C F	R C F		R C	R C		R C F	R C F	
6 Pin																					
			R C F				R C	R C								R C	R C		R C F	R C F	
7 Pin																					
	R C F	R C F					R C	R C								R C	R C		R C F	R C F	
8 Pin																					
	R C F	R C F					R C	R C								R C	R C		R C F		
9 Pin																					
	R C F	R C F														R C	R C		R C F		
10 Pin																					
	R C F															R C	R C		R C F		
11 Pin																					
																R C	R C		R C F		
12 Pin																					
	R C F										R C F					R C	R C		R C F		
14 Pin																					
											R C F	R C F									
17 Pin																					
18 Pin																					
											R C F	R C F									
24 Pin																					
30 Pin																					
31 Pin																					
																		R C			
33 Pin																					
78 Pin																					
									R C F	R C F											
100 Pin																					
									R C F	R C F											

*Upon Request R: Receptacle C: Overmolded with Cable F: Field Serviceable/Installable

Mini A Size

Packing for Crimp Contacts



Assemble Style



PCB 180°
(P) Receptacle



Solder
(S) Receptacle
(G) Field Serviceable/Installable



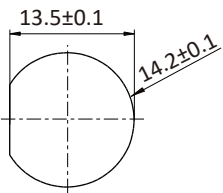
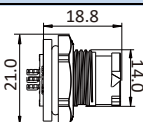
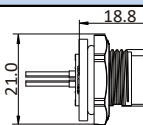
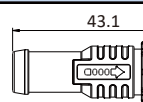
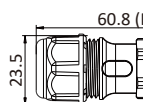
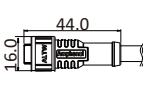
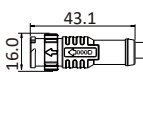
Screw In
(B) Field Serviceable/Installable



Crimp
(A) Field Serviceable/Installable



Push In
(E) Field Serviceable/Installable

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	2			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type (16A: For Power Group)	AD-02 PMMS - QC8001	AD-02 PMFS - QC8001 *	ASD-02 PMMS - QC8001 *	ASD-02 PMFS - QC8001 *
	180° PCB Type (16A: For Power Group)	AD-02 PMMP - QC8001	AD-02 PMFP - QC8001 *	ASD-02 PMMP - QC8001 *	ASD-02 PMFP - QC8001 *
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	AD-02 PMMS - QC8A ⑪ *	AD-02 PMFS - QC8A ⑪ *	ASD-02 PMMS - QC8A ⑪ *	ASD-02 PMFS - QC8A ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	AD-02B MMM - QL8D ⑪	AD-02B MF M- QL8D ⑪ *	ASD-02B MMM - QL8D ⑪ *	ASD-02B MF M- QL8D ⑪ *
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type (16A: For Power Group)	AD-02B MMG - QL8AP0 *	AD-02B MF G- QL8AP0 *	ASD-02B MMG - QL8AP0 *	ASD-02B MF G- QL8AP0 *
	Screw-in Type (16A: For Power Group)	AD-02B MMB - QL8AP0	-	ASD-02B MMB - QL8AP0 *	ASD-02B MFB - QL8AP0 *
	Crimp Type (16A: For Power Group)	AD-02B MM A- QL8AP0 *	AD-02B MF A- QL8AP0 *	ASD-02B MM A- QL8AP0 *	ASD-02B MF A- QL8AP0 *
	Push-in Type (16A: For Power Group)	AD-02B MM E- QL8AP0 *	AD-02B MF E- QL8AP0 *	ASD-02B MM E- QL8AP0 *	ASD-02B MF E- QL8AP0 *
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (H) MF	-	AB-AD02 HL - AD HL -QD ⑩ *	-	AB-ASD02 HL - ASD HL -QD ⑩ *
	End1: (M) MM End2: (H) MF	AB-AD02 ML - AD HL -QD ⑩	-	AB-ASD02 ML - ASD HL -QD ⑩ *	-
	End1: (M) MM End2: (M) MM	AB-AD02 ML - AD ML -QD ⑩	-	AB-ASD02 ML - ASD ML -QD ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-AD02 HL - AD BL -QD ⑩ *	-	AB-ASD02 HL - ASD BL -QD ⑩ *
	End1: (M) MM End2: (B) FM	AB-AD02 ML - AD BL -QD ⑩	-	AB-ASD02 ML - ASD BL -QD ⑩ *	-
	End1: (M) MM End2: (F) FF	AB-AD02 ML - AD FL -QD ⑩	-	AB-ASD02 ML - ASD FL -QD ⑩ *	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (B) FM	-	AB-AD02 HL - AD BR -QD ⑩ *	-	AB-ASD02 HL - ASD BR -QD ⑩ *
	End1: (M) MM End2: (B) FM	AB-AD02 ML - AD BR -QD ⑩	-	AB-ASD02 ML - ASD BR -QD ⑩ *	-
	End1: (M) MM End2: (F) FF	AB-AD02 ML - AD FR -QD ⑩	-	AB-ASD02 ML - ASD FR -QD ⑩ *	-

No of Contacts		3					
Rated Voltage (AC/DC)		30 ~ 600V					
Nominal Current		5A				16A	
Plastic / Metal		Plastic		Metal		Plastic	Metal
Pin Assignment		MM	MF	MM	MF	MM/M+F	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact MJ : Male Connector + Male PWD + Female GND M/M+F : Male Connector + Male PWD + Female GND F/F+M : Female Connector + Female PWD + Male GND							

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AD-02PMM S-QC8001	AD-02PMF S-QC8001*	ASD-03PMM S-QC8001*	ASD-03PMF S-QC8001*	AG-03PMJ S-QC800P	ASG-03PMJ S-QC800P*
	180° PCB Type (16A: For Power Group)	AD-02PMM P-QC8001	AD-02PMF P-QC8001*	ASD-03PMM P-QC8001*	ASD-03PMF P-QC8001*	AG-03PMJ P-QC800P	ASG-03PMJ P-QC800P*

Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm
Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AD-03PMM S-QC8A⑪*	AD-03PMF S-QC8A⑪*	ASD-03PMM S-QC8A⑪*	ASD-03PMF S-QC8A⑪*	-	-
	UL1015, PVC Jacket	-	-	-	-	AG-03PMJS- QC8B⑪*	ASG-03PMJS- QC8B⑪*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-03BMM M-QL8D⑪	AD-03BMF M-QL8D⑪*	ASD-03BMM M-QL8D⑪*	ASD-03BMF M-QL8D⑪*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03BMJ M-QL8G⑪	ASG-03BMJ M-QL8G⑪*

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm
Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-03BMM G-QL8AP0*	AD-03BMF G-QL8AP0*	ASD-03BMM G-QL8AP0*	ASD-03BMF G-QL8AP0*	AG-03BMJ G-QL8APP*	ASG-03BMJ G-QL8APP*
	Screw-in Type (16A: For Power Group)	AD-03BMM B-QL8AP0	-	ASD-03BMM B-QL8AP0*	ASD-03BMF B-QL8AP0*	-	ASG-03BMJ B-QL8APP*
	Crimp Type (16A: For Power Group)	AD-03BMM A-QL8AP0*	AD-03BMF A-QL8AP0*	ASD-03BMM A-QL8AP0*	ASD-03BMF A-QL8AP0*	AG-03BMJ A-QL8APP*	ASG-03BMJ A-QL8APP*
	Push-in Type (16A: For Power Group)	AD-03BMM E-QL8AP0*	AD-03BMF E-QL8AP0*	ASD-03BMM E-QL8AP0*	ASD-03BMF E-QL8AP0*	AG-03BMJ E-QL8APP*	ASG-03BMJ E-QL8APP*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M

	End1: (H) MF End2: (H) MF	-	AB-AD03HL- ADHL-QD⑩*	-	AB-ASD03HL- ASDHL-QD⑩*	-	-
	End1: (M) MM End2: (H) MF	AB-AD03ML- ADHL-QD⑩	-	AB-ASD03ML- ASDHL-QD⑩*	-	-	-
	End1: (M) MM End2: (M) MM	AB-AD03ML- ADML-QD⑩	-	AB-ASD03ML- ASDML-QD⑩*	-	AB-AG03KL- AGKL-QG⑩	AB-ASG03KL- ASGKL-QG⑩*
	End1: (H) MF End2: (B) FM	-	AB-AD03HL- ADBL-QD⑩*	-	AB-ASD03HL- ASDBL-QD⑩*	-	-
	End1: (M) MM End2: (B) FM	AB-AD03ML- ADBL-QD⑩	-	AB-ASD03ML- ASDBL-QD⑩*	-	-	-
	End1: (M) MM End2: (F) FF	AB-AD03ML- ADFL-QD⑩	-	AB-ASD03ML- ASDFL-QD⑩*	-	AB-AG03KL- AGZL-QG⑩	AB-ASG03KL- ASGZL-QG⑩*

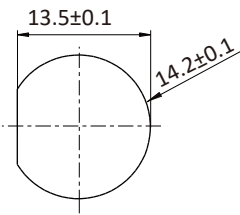
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M

	End1: (H) MF End2: (B) FM	-	AB-AD03HL- ADBR-QD⑩*	-	AB-ASD03HL- ASDBR-QD⑩*	-	-
	End1: (M) MM End2: (B) FM	AB-AD03ML- ADBR-QD⑩	-	AB-ASD03ML- ASDBR-QD⑩*	-	-	-
	End1: (M) MM End2: (F) FF	AB-AD03ML- ADFR-QD⑩	-	AB-ASD03ML- ASDFR-QD⑩*	-	AB-AG03KL- AGZR-QG⑩	AB-ASG03KL- ASGZR-QG⑩*

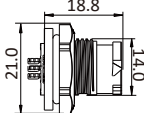
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out	4			
Rated Voltage (AC/DC)	Circular Flange (D cut)	30 ~ 600V			
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		MM		MM/M+F	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact MJ : Male Connector + Male PWD + Female GND M/M+F : Male Connector + Male PWD + Female GND F/F+M : Female Connector + Female PWD + Male GND					

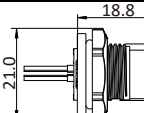
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AD-04P MM S- QC8001	ASD-04P MM S- QC8001*	AG-04P MJ S- QC800P	ASG-04P MJ S- QC800P*
	180° PCB Type (16A: For Power Group)	AD-04P MM P- QC8001	ASD-04P MM P- QC8001*	AG-04P MJ P- QC800P	ASG-04P MJ P- QC800P*

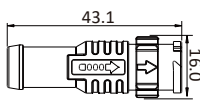
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AD-04P MM S- QC8A ⑪*	ASD-04P MM S- QC8A ⑪*	-	-
	UL1015, PVC Jacket	-	-	AG-04P MJ S- QC8B ⑪*	ASG-04P MJ S- QC8B ⑪*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

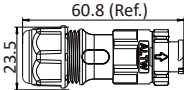
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-04B MM M- QL8D ⑪	ASD-04B MM M- QL8D ⑪*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04B MJ M- QL8G ⑪	ASG-04B MJ M- QL8G ⑪*

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

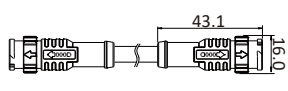
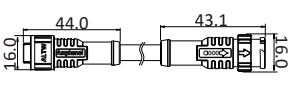
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-04B MM G- QL8AP0*	ASD-04B MM G- QL8AP0*	AG-04B MJ G- QL8APP*	ASG-04B MJ G- QL8APP*
	Screw-in Type (16A: For Power Group)	AD-04B MM B- QL8AP0	ASD-04B MM B- QL8AP0*	-	ASG-04B MJ B- QL8APP*
	Crimp Type (16A: For Power Group)	AD-04B MM A- QL8AP0*	ASD-04B MM A- QL8AP0*	AG-04B MJ A- QL8APP*	ASG-04B MJ A- QL8APP*
	Push-in Type (16A: For Power Group)	AD-04B MM E- QL8AP0*	ASD-04B MM E- QL8AP0*	AG-04B MJ E- QL8APP*	ASG-04B MJ E- QL8APP*

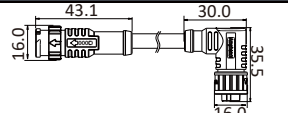
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(K)** M/M+F, **(Z)** F/F+M

	End1: (M) MM End2: (H) MF	AB-AD04 ML - AD HL -QD ⑩	AB-ASD04 ML - ASD HL -QD ⑩*	-	-
	End1: (M) MM End2: (M) MM	AB-AD04 ML - AD ML -QD ⑩	AB-ASD04 ML - ASD ML -QD ⑩*	AB-AG04 KL - AG KL -QG ⑩	AB-ASG04 KL - ASG KL -QG ⑩*
	End1: (M) MM End2: (B) FM	AB-AD04 ML - AD BL -QD ⑩	AB-ASD04 ML - ASD BL -QD ⑩*	-	-
	End1: (M) MM End2: (F) FF	AB-AD04 ML - AD FL -QD ⑩	AB-ASD04 ML - ASD FL -QD ⑩*	AB-AG04 KL - AG ZL -QG ⑩	AB-ASG04 KL - ASG ZL -QG ⑩*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

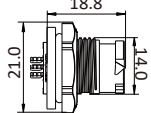
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(K)** M/M+F, **(Z)** F/F+M

	End1: (M) MM End2: (B) FM	AB-AD04 ML - AD BR -QD ⑩	AB-ASD04 ML - ASD BR -QD ⑩*	-	-
	End1: (M) MM End2: (F) FF	AB-AD04 ML - AD FR -QD ⑩	AB-ASD04 ML - ASD FR -QD ⑩*	AB-AG04 KL - AG ZR -QG ⑩	AB-ASG04 KL - ASG ZR -QG ⑩*

No of Contacts	5			
Rated Voltage (AC/DC)	30 ~ 600V			
Nominal Current	5A		16A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM/M+F	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact MJ : Male Connector + Male PWD + Female GND M/M+F : Male Connector + Male PWD + Female GND F/F+M : Female Connector + Female PWD + Male GND				

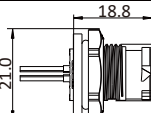
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AD-05P MM S- QC8001	ASD-05P MM S- QC8001*	AG-05P MJ S- QC800P	ASG-05P MJ S- QC800P*
	180° PCB Type (16A: For Power Group)	AD-05P MM P- QC8001	ASD-05P MM P- QC8001*	AG-05P MJ P- QC800P	ASG-05P MJ P- QC800P*

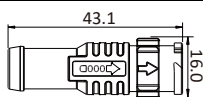
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AD-05P MM S- QC8A ⑪ *	ASD-05P MM S- QC8A ⑪ *	-	-
	UL1015, PVC Jacket	-	-	AG-05P MJ S- QC8B ⑪ *	ASG-05P MJ S- QC8B ⑪ *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

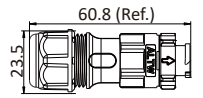
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-05B MM M- QL8D ⑪	ASD-05B MM M- QL8D ⑪ *	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B MJ M- QL8G ⑪	ASG-05B MJ M- QL8G ⑪ *

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

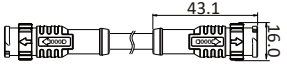
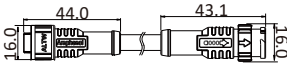
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-05B MM G- QL8AP0 *	ASD-05B MM G- QL8AP0 *	AG-05B MJ G- QL8APP *	ASG-05B MJ G- QL8APP *
	Screw-in Type (16A: For Power Group)	AD-05B MM B- QL8AP0	ASD-05B MM B- QL8AP0 *	-	ASG-05B MJ B- QL8APP *
	Crimp Type (16A: For Power Group)	AD-05B MM A- QL8AP0 *	ASD-05B MM A- QL8AP0 *	AG-05B MJ A- QL8APP *	ASG-05B MJ A- QL8APP *
	Push-in Type (16A: For Power Group)	AD-05B MM E- QL8AP0 *	ASD-05B MM E- QL8AP0 *	AG-05B MJ E- QL8APP *	ASG-05B MJ E- QL8APP *

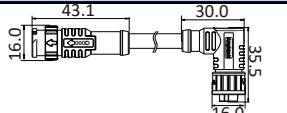
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (K) M/M+F, (Z) F/F+M

	End1: (M) MM End2: (H) MF	AB-AD05 ML - AD HL -QD ⑩	AB-ASD05 ML - ASD HL -QD ⑩ *	-	-
	End1: (M) MM End2: (M) MM	AB-AD05 ML - AD ML -QD ⑩	AB-ASD05 ML - ASD ML -QD ⑩ *	AB-AG05 KL - AG KL -QG ⑩	AB-ASG05 KL - ASG KL -QG ⑩ *
	End1: (M) MM End2: (B) FM	AB-AD05 ML - AD BL -QD ⑩	AB-ASD05 ML - ASD BL -QD ⑩ *	-	-
	End1: (M) MM End2: (F) FF	AB-AD05 ML - AD FL -QD ⑩	AB-ASD05 ML - ASD FL -QD ⑩ *	AB-AG05 KL - AG ZL -QG ⑩	AB-ASG05 KL - ASG ZL -QG ⑩ *

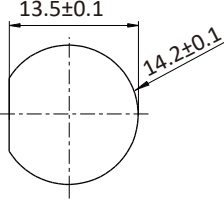
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (K) M/M+F, (Z) F/F+M

	End1: (M) MM End2: (B) FM	AB-AD05 ML - AD BR -QD ⑩	AB-ASD05 ML - ASD BR -QD ⑩ *	-	-
	End1: (M) MM End2: (F) FF	AB-AD05 ML - AD FR -QD ⑩	AB-ASD05 ML - ASD FR -QD ⑩ *	AB-AG05 KL - AG ZR -QG ⑩	AB-ASG05 KL - ASG ZR -QG ⑩ *

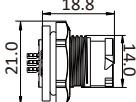
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out	6		8	
Rated Voltage (AC/DC)	Circular Flange (D cut)  (Unit: mm)	30 ~ 600V		30 ~ 600V	
Nominal Current		2A		2A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		MM		MM	
MM: Male Connector Male Contact FF: Female Connector Female Contact					

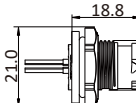
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AU-06PMMMS-QC8001	ASU-06PMMMS-QC8001*	AU-08PMMMS-QC8001	ASU-08PMMMS-QC8001*
	180° PCB Type (16A: For Power Group)	AU-06PMMMP-QC8001	ASU-06PMMMP-QC8001*	AU-08PMMMP-QC8001	ASU-08PMMMP-QC8001*

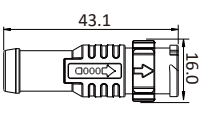
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AU-06PMMMS-QC8A⑪*	ASU-06PMMMS-QC8A⑪*	AU-08PMMMS-QC8A⑪*	ASU-08PMMMS-QC8A⑪*

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

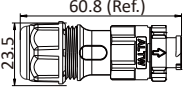
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AU-06BMMM-QL8D⑪	ASU-06BMMM-QL8D⑪*	AU-08BMMM-QL8D⑪	ASU-08BMMM-QL8D⑪*
	Cat. 6A, LSZH Jacket	-	-	-	ASU-08BMMM-QL8J⑪*
	UTP Cat. 5e, PVC Jacket	-	-	AU-08BMMM-QL8H⑪	-

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

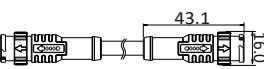
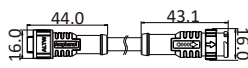
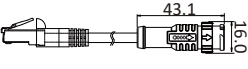
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AU-06BMMG-QL8AP0*	ASU-06BMMG-QL8AP0*	AU-08BMMG-QL8AP0*	ASU-08BMMG-QL8AP0*
	Screw-in Type (16A: For Power Group)	AU-06BMMB-QL8AP0	ASU-06BMMB-QL8AP0*	AU-08BMMB-QL8AP0	ASU-08BMMB-QL8AP0*
	Crimp Type (16A: For Power Group)	AU-06BMMMA-QL8AP0*	ASU-06BMMMA-QL8AP0*	AU-08BMMMA-QL8AP0*	ASU-08BMMMA-QL8AP0*

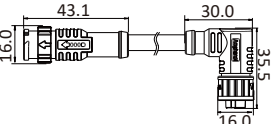
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF

	End1: (M) MM End2: (M) MM (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08ML-AUML-QH⑩	-
	End1: (M) MM End2: (M) MM (Cat. 6A, LSZH Jacket)	-	-	-	AB-ASU08ML-ASUML-QJ⑩*
	End1: (M) MM End2: (M) MM	AB-AU06ML-AUML-QD⑩	AB-ASU06ML-ASUML-QD⑩*	AB-AU08ML-AUML-QD⑩	AB-ASU08ML-ASUML-QD⑩*
	End1: (M) MM End2: (F) FF	AB-AU06ML-AUFL-QD⑩	AB-ASU06ML-ASUFL-QD⑩*	AB-AU08ML-AUFL-QD⑩	AB-ASU08ML-ASUFL-QD⑩*
	End1: (M) MM End2: (F) FF (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08ML-AUFL-QH⑩	-
	End1: (M) MM End2: (F) FF (Cat. 6A, LSZH Jacket)	-	-	-	AB-ASU08ML-ASUFL-QJ⑩*
	Male Conn Male Contact to RJ45 Plug (Cat 6A)	-	-	AB-AU08ML-UPBML-QH⑩	AB-ASU08ML-SPBML-QJ⑩*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

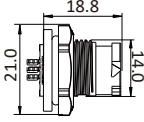
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF

	End1: (M) MM End2: (F) FF	AB-AU06ML-AUFR-QD⑩	AB-ASU06ML-ASUFR-QD⑩*	AB-AU08ML-AUFR-QD⑩	AB-ASU08ML-ASUFR-QD⑩*
	End1: (M) MM End2: (F) FF (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08ML-AUFR-QH⑩	-
	End1: (M) MM End2: (F) FF (Cat. 6A, LSZH Jacket)	-	-	-	AB-ASU08ML-ASUFR-QJ⑩*

No of Contacts	10		12		17	
Rated Voltage (AC/DC)	30 ~ 600V		30 ~ 600V		30 ~ 600V	
Nominal Current	1.5A		1.5A		1.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact						

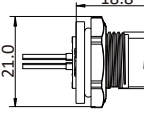
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AZ-10PMM5-QC8001*	ASZ-10PMM5-QC8001*	AZ-12PMM5-QC8001*	ASZ-12PMM5-QC8001*	AZ-17PMM5-QC8001*	ASZ-17PMM5-QC8001*
	180° PCB Type (16A: For Power Group)	AZ-10PMM5-QC8001*	ASZ-10PMM5-QC8001*	AZ-12PMM5-QC8001*	ASZ-12PMM5-QC8001*	AZ-17PMM5-QC8001*	ASZ-17PMM5-QC8001*

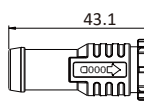
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	AZ-10PMM5-QC8A⑪*	ASZ-10PMM5-QC8A⑪*	AZ-12PMM5-QC8A⑪*	ASZ-12PMM5-QC8A⑪*	AZ-17PMM5-QC8A⑪*	ASZ-17PMM5-QC8A⑪*
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

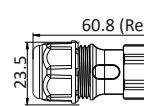
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AZ-10BMM5-QL8D⑪*	ASZ-10BMM5-QL8D⑪*	AZ-12BMM5-QL8D⑪*	ASZ-12BMM5-QL8D⑪*	AZ-17BMM5-QL8D⑪*	ASZ-17BMM5-QL8D⑪*
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

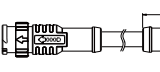
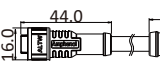
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AZ-10BMM5-QL8AP0*	ASZ-10BMM5-QL8AP0*	AZ-12BMM5-QL8AP0*	ASZ-12BMM5-QL8AP0*	AZ-17BMM5-QL8AP0*	ASZ-17BMM5-QL8AP0*
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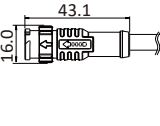
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: (M) MM End2: (M) MM	AB-AZ10ML-AZML-QD⑩*	AB-ASZ10ML-ASZML-QD⑩*	AB-AZ12ML-AZML-QD⑩*	AB-ASZ12ML-ASZML-QD⑩*	AB-AZ17ML-AZML-QD⑩*	AB-ASZ17ML-ASZML-QD⑩*
	End1: (M) MM End2: (F) FF	AB-AZ10ML-AZFL-QD⑩*	AB-ASZ10ML-ASZFL-QD⑩*	AB-AZ12ML-AZFL-QD⑩*	AB-ASZ12ML-ASZFL-QD⑩*	AB-AZ17ML-AZFL-QD⑩*	AB-ASZ17ML-ASZFL-QD⑩*

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF

	End1: (M) MM End2: (F) FF	AB-AZ10ML-AZFR-QD⑩*	AB-ASZ10ML-ASZFR-QD⑩*	AB-AZ12ML-AZFR-QD⑩*	AB-ASZ12ML-ASZFR-QD⑩*	AB-AZ17ML-AZFR-QD⑩*	AB-ASZ17ML-ASZFR-QD⑩*
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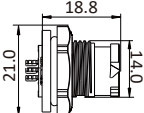
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	18		24	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

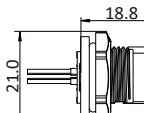
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AY-18P MM S - QC8001*	ASY-18P MM S - QC8001*	AY-24P MM S - QC8001*	ASY-24P MM S - QC8001*
	180° PCB Type (16A: For Power Group)	AY-18P MM P - QC8001*	ASY-18P MM P - QC8001*	AY-24P MM P - QC8001*	ASY-24P MM P - QC8001*

Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

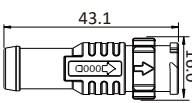
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL1430, XL-PVC Jacket	AY-18P MM S - QC8A ⑪ *	ASY-18P MM S - QC8A ⑪ *	AY-24P MM S - QC8A ⑪ *	ASY-24P MM S - QC8A ⑪ *

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

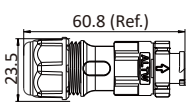
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-18B MM M - QL8D ⑪ *	ASY-18B MM M - QL8D ⑪ *	AY-24B MM M - QL8D ⑪ *	ASY-24B MM M - QL8D ⑪ *

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

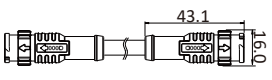
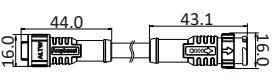
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AY-18B MM G - QL8AP0 *	ASY-18B MM G - QL8AP0 *	AY-24B MM G - QL8AP0 *	ASY-24B MM G - QL8AP0 *

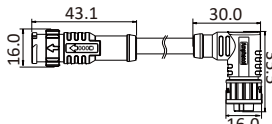
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF

	End1: (M) MM End2: (M) MM	AB-AY18 ML - AY ML -QD ⑩ *	AB-ASY18 ML - ASY ML -QD ⑩ *	AB-AY24 ML - AY ML -QD ⑩ *	AB-ASY24 ML - ASY ML -QD ⑩ *
	End1: (M) MM End2: (F) FF	AB-AY18 ML - AY FL -QD ⑩ *	AB-ASY18 ML - ASY FL -QD ⑩ *	AB-AY24 ML - AY FL -QD ⑩ *	AB-ASY24 ML - ASY FL -QD ⑩ *

STRAIGHT -TO- RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

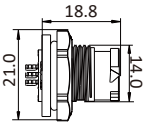
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF

	End1: (M) MM End2: (F) FF	AB-AY18 ML - AY FR -QD ⑩ *	AB-ASY18 ML - ASY FR -QD ⑩ *	AB-AY24 ML - AY FR -QD ⑩ *	AB-ASY24 ML - ASY FR -QD ⑩ *

No of Contacts	30		33	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	MM		MM	
MM : Male Connector Male Contact FF : Female Connector Female Contact				

Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

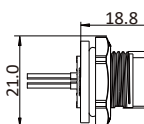
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (16A: For Power Group)	AY-30P MM S - QC8001 *	ASY-30P MM S - QC8001 *	AY-33P MM S - QC8001 *	ASY-33P MM S - QC8001 *
	180° PCB Type (16A: For Power Group)	AY-30P MM P - QC8001 *	ASY-30P MM P - QC8001 *	AY-33P MM P - QC8001 *	ASY-33P MM P - QC8001 *

Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

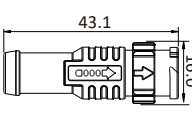
Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL1430, XL-PVC Jacket	AY-30P MM S - QC8A 11 *	ASY-30P MM S - QC8A 11 *	AY-33P MM S - QC8A 11 *	ASY-33P MM S - QC8A 11 *
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

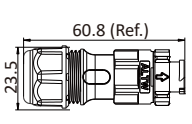
11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-30B MMM - QL8D 11 *	ASY-30B MMM - QL8D 11 *	AY-33B MMM - QL8D 11 *	ASY-33B MMM - QL8D 11 *
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

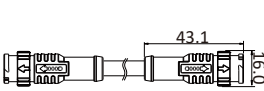
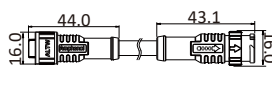
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AY-30B MM G - QL8AP0 *	ASY-30B MM G - QL8AP0 *	AY-33B MM G - QL8AP0 *	ASY-33B MM G - QL8AP0 *
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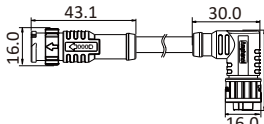
STRAIGHT -TO- STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

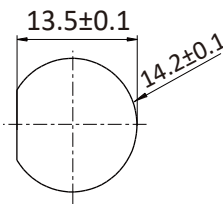
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF

	End1: (M) MM End2: (M) MM	AB-AY30 ML - AY ML -QD 10 *	AB-ASY30 ML - ASY ML -QD 10 *	AB-AY33 ML - AY ML -QD 10 *	AB-ASY33 ML - ASY ML -QD 10 *
	End1: (M) MM End2: (F) FF	AB-AY30 ML - AY FL -QD 10 *	AB-ASY30 ML - ASY FL -QD 10 *	AB-AY33 ML - AY FL -QD 10 *	AB-ASY33 ML - ASY FL -QD 10 *

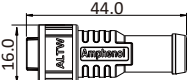
STRAIGHT -TO- RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF

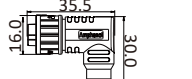
	End1: (M) MM End2: (F) FF	AB-AY30 ML - AY FR -QD 10 *	AB-ASY30 ML - ASY FR -QD 10 *	AB-AY33 ML - AY FR -QD 10 *	AB-ASY33 ML - ASY FR -QD 10 *
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No of Contacts	Panel Cut Out Circular Flange (D cut)  (Unit: mm)	2			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF		FM	
FF : Female Connector Female Contact			FF		FM
MF : Male Connector Female Contact					
FM : Female Connector Male Contact					

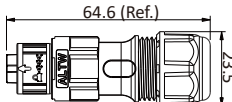
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-02BFFM-QL8D ⑪	AD-02BFMM-QL8D ⑪ *	ASD-02BFFM-QL8D ⑪ *	ASD-03BFMM-QL8D ⑪ *
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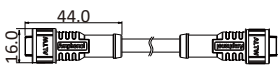
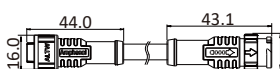
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-02BFFM-QR8D ⑪	AD-02BFMM-QR8D ⑪ *	ASD-02BFFM-QR8D ⑪ *	ASD-02BFMM-QR8D ⑪ *
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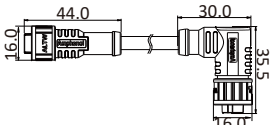
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
 Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm
 Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-02BFFG-QL8AP0 *	AD-02BFMG-QL8AP0 *	ASD-02BFFG-QL8AP0 *	ASD-02BFMG-QL8AP0 *
	Screw-in Type (16A: For Power Group)	AD-02BFFB-QL8AP0 *	-	ASD-02BFFB-QL8AP0 *	ASD-02BFMB-QL8AP0 *
	Crimp Type (16A: For Power Group)	AD-02BFFA-QL8AP0 *	AD-02BFMA-QL8AP0 *	ASD-02BFFA-QL8AP0 *	ASD-02BFMA-QL8AP0 *
	Push-in Type (16A: For Power Group)	AD-02BFFE-QL8AP0 *	AD-02BFME-QL8AP0 *	ASD-02BFFE-QL8AP0 *	ASD-02BFME-QL8AP0 *

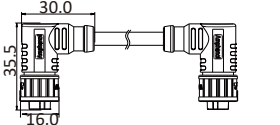
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-AD02FL-ADFL-QD ⑩	-	AB-ASD02FL-ASDFL-QD ⑩ *	-
	End1: (F) FF End2: (B) FM	AB-AD02FL-ADBL-QD ⑩	-	AB-ASD02FL-ASDBL-QD ⑩ *	-
	End1: (B) FM End2: (B) FM	-	AB-AD02BL-ADBL-QD ⑩ *	-	AB-ASD02BL-ASDBL-QD ⑩ *
	End1: (F) FF End2: (H) MF	AB-AD02FL-ADHL-QD ⑩	-	AB-ASD02FL-ASDHL-QD ⑩ *	-

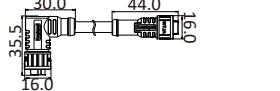
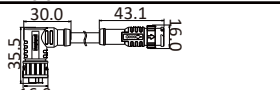
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-AD02FL-ADFR-QD ⑩	-	AB-ASD02FL-ASDFR-QD ⑩ *	-
	End1: (F) FF End2: (B) FM	AB-AD02FL-ADBR-QD ⑩	-	AB-ASD02FL-ASDBR-QD ⑩ *	-
	End1: (B) FM End2: (B) FM	-	AB-AD02BL-ADBR-QD ⑩ *	-	AB-ASD02BL-ASDBR-QD ⑩ *

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-AD02FR-ADFR-QD ⑩	-	AB-ASD02FR-ASDFR-QD ⑩ *	-
	End1: (B) FM End2: (B) FM	-	AB-AD02BR-ADBR-QD ⑩ *	-	AB-ASD02BR-ASDBR-QD ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD02FR-ADBR-QD ⑩	-	AB-ASD02FR-ASDBR-QD ⑩ *	-

RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (B) FM	AB-AD02FR-ADBL-QD ⑩	-	AB-ASD02FR-ASDBL-QD ⑩ *	-
	End1: (F) FF End2: (H) MF	AB-AD02FR-ADHL-QD ⑩	-	AB-ASD02FR-ASDHL-QD ⑩ *	-

No of Contacts	3				
Rated Voltage (AC/DC)	30 ~ 600V				
Nominal Current	5A			16A	
Plastic / Metal	Plastic		Metal		Plastic Metal
Pin Assignment	FF	FM	FF	FM	FF
FF : Female Connector Female Contact FM : Female Connector Male Contact F/F+M: Female Connector + Female PWD + Male GND					

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-03BFFM-QL8D ⑪	AD-03BFMM-QL8D ⑪ *	ASD-03BFFM-QL8D ⑪ *	ASD-03BFMM-QL8D ⑪ *	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03BFGM-QL8G ⑪	ASG-03BFGM-QL8G ⑪ *

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-03BFFM-QR8D ⑪	AD-03BFMM-QR8D ⑪ *	ASD-02BFFM-QR8D ⑪ *	ASD-03BFMM-QR8D ⑪ *	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	-	-	AG-03BFGM-QR8G ⑪	ASG-03BFGM-QR8G ⑪ *

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-03BFFG-QL8AP0*	AD-03BFMG-QL8AP0*	ASD-03BFFG-QL8AP0*	ASD-03BFMG-QL8AP0*	AG-03BFFG-QL8APP*	ASG-03BFFG-QL8APP*
	Screw-in Type (16A: For Power Group)	AD-03BFFB-QL8AP0*	-	ASD-03BFFB-QL8AP0*	ASD-03BFMB-QL8AP0*	-	ASG-03BFFB-QL8APP*
	Crimp Type (16A: For Power Group)	AD-03BFFA-QL8AP0*	AD-03BFMA-QL8AP0*	ASD-03BFFA-QL8AP0*	ASD-03BFMA-QL8AP0*	AG-03BFFA-QL8APP*	ASG-03BFFA-QL8APP*
	Push-in Type (16A: For Power Group)	AD-03BFFE-QL8AP0*	AD-03BFME-QL8AP0*	ASD-03BFFE-QL8AP0*	ASD-03BFME-QL8AP0*	AG-03BFGE-QL8APP*	ASG-03BFFE-QL8APP*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(Z)** F/F+M

	End1: (F) FF End2: (F) FF	AB-AD03FL-ADFL-QD ⑩	-	AB-ASD03FL-ASDFL-QD ⑩ *	-	AB-AG03ZL-AGZL-QG ⑩	AB-ASG03ZL-ASGZL-QG ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD03FL-ADBL-QD ⑩	-	AB-ASD03FL-ASDBL-QD ⑩ *	-	-	-
	End1: (B) FM End2: (B) FM	-	AB-AD03BL-ADBL-QD ⑩ *	-	AB-ASD03BL-ASDBL-QD ⑩ *	-	-
	End1: (F) FF End2: (H) MF	AB-AD03FL-ADHL-QD ⑩	-	AB-ASD03FL-ASDHL-QD ⑩ *	-	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M

	End1: (F) FF End2: (F) FF	AB-AD03FL-ADFR-QD ⑩	-	AB-ASD03FL-ASDFR-QD ⑩ *	-	AB-AG03ZL-AGZR-QG ⑩	AB-ASG03ZL-ASGZR-QG ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD03FL-ADBR-QD ⑩	-	AB-ASD03FL-ASDBR-QD ⑩ *	-	-	-
	End1: (B) FM End2: (B) FM	-	AB-AD02BL-ADBR-QD ⑩ *	-	AB-ASD03BL-ASDBR-QD ⑩ *	-	-

RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M

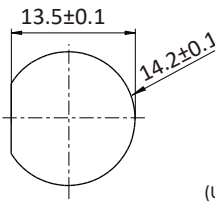
	End1: (F) FF End2: (F) FF	AB-AD03FR-ADFR-QD ⑩	-	AB-ASD03FR-ASDFR-QD ⑩ *	-	AB-AG03ZR-AGZR-QG ⑩	AB-ASG03ZR-ASGZR-QG ⑩ *
	End1: (B) FM End2: (B) FM	-	AB-AD03BR-ADBR-QD ⑩ *	-	AB-ASD03BR-ASDBR-QD ⑩ *	-	-
	End1: (F) FF End2: (B) FM	AB-AD03FR-ADBR-QD ⑩	-	AB-ASD03FR-ASDBR-QD ⑩ *	-	-	-

RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

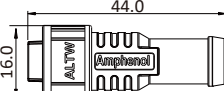
	End1: (F) FF End2: (B) FM	AB-AD03FR-ADBL-QD ⑩	-	AB-ASD03FR-ASDBL-QD ⑩ *	-	-	-
	End1: (F) FF End2: (H) MF	AB-AD03FR-ADHL-QD ⑩	-	AB-ASD03FR-ASDHL-QD ⑩ *	-	-	-

*Upon Request

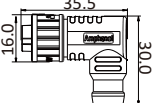
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D cut)  (Unit: mm)	4			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		FF		FF	
FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact FG : Female Connector + Female PWD + Male GND F/F+M : Female Connector + Female PWD + Male GND					

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-04BFFM-QL8D ⑪	ASD-04BFFM-QL8D ⑪*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04BFGM-QL8G ⑪	ASG-04BFGM-QL8G ⑪*

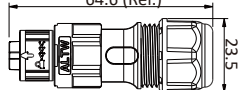
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	AD-04BFFM-QR8D ⑪	ASD-04BFFM-QR8D ⑪*	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-04BFGM-QR8G ⑪	ASG-04BFGM-QR8G ⑪*

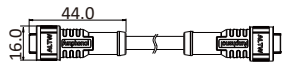
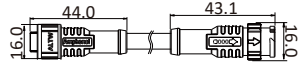
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

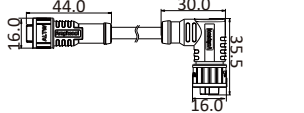
Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AD-04BFFG-QL8AP0 *	ASD-04BFFG-QL8AP0 *	-	ASG-04BFFG-QL8APP *
	Screw-in Type (16A: For Power Group)	AD-04BFFB-QL8AP0	ASD-04BFFB-QL8AP0 *	-	ASG-04BFFB-QL8APP *
	Crimp Type (16A: For Power Group)	AD-04BFFA-QL8AP0 *	ASD-04BFFA-QL8AP0 *	AG-04BFGA-QL8APP *	ASG-04BFGA-QL8APP *
	Push-in Type (16A: For Power Group)	AD-04BFFE-QL8AP0 *	ASD-04BFFE-QL8AP0 *	AG-04BFG E-QL8APP *	ASG-04BFG E-QL8APP *

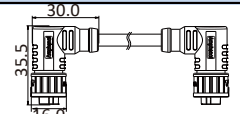
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF, **(Z)** F/F+M

	End1: (F) FF End2: (F) FF	AB-AD04FL-ADFL-QD ⑩	AB-ASD04FL-ASD FL-QD ⑩*	AB-AG04ZL-AG ZL-QG ⑩	AB-ASG04ZL-ASG ZL-QG ⑩*
	End1: (F) FF End2: (B) FM	AB-AD04FL-ADBL-QD ⑩	AB-ASD04FL-ASD BL-QD ⑩*	-	-
	End1: (F) FF End2: (H) MF	AB-AD04FL-ADHL-QD ⑩	AB-ASD04FL-ASD HL-QD ⑩*	-	-

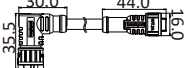
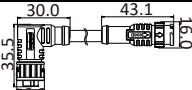
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M

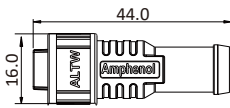
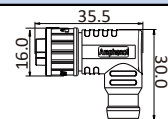
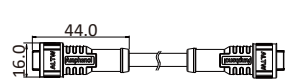
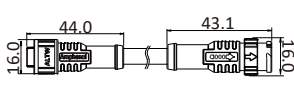
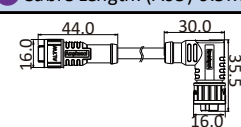
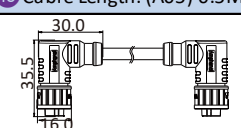
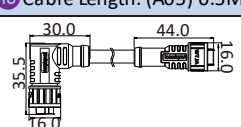
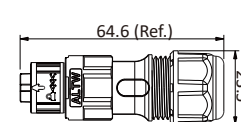
	End1: (F) FF End2: (F) FF	AB-AD04FL-ADFR-QD ⑩	AB-ASD04FL-ASD FR-QD ⑩*	AB-AG04ZL-AG ZR-QG ⑩	AB-ASG04ZL-ASG ZR-QG ⑩*
	End1: (F) FF End2: (B) FM	AB-AD04FL-ADBR-QD ⑩	AB-ASD04FL-ASD BR-QD ⑩*	-	-

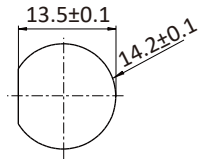
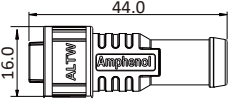
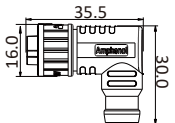
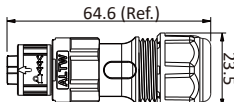
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(Z)** F/F+M

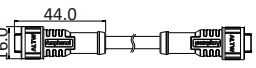
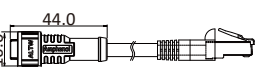
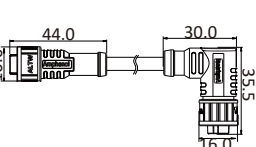
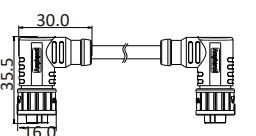
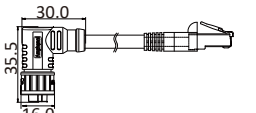
	End1: (F) FF End2: (F) FF	AB-AD04FR-ADFR-QD ⑩	AB-ASD04FR-ASD FR-QD ⑩*	AB-AG04ZR-AG ZR-QG ⑩	AB-ASG04ZR-ASG ZR-QG ⑩*
	End1: (F) FF End2: (B) FM	AB-AD04FR-ADBR-QD ⑩	AB-ASD04FR-ASD BR-QD ⑩*	-	-

RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (B) FM	AB-AD04FR-ADBL-QD ⑩	AB-ASD04FR-ASD BL-QD ⑩*	-	-
	End1: (F) FF End2: (H) MF	AB-AD04FR-ADHL-QD ⑩	AB-ASD04FR-ASD HL-QD ⑩*	-	-

No of Contacts		5			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A		16A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		FF		FF	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact F/F+M : Female Connector + Female PWD + Male GND					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	AD-05B FFM -QL8D ⑪	ASD-05B FFM -QL8D ⑪ *	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B FGM -QL8G ⑪	ASG-05B FGM -QL8G ⑪ *
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	AD-05B FFM -QR8D ⑪	ASD-05B FFM -QR8D ⑪ *	-	-
	UL20234, TPU Jacket (For Power Group)	-	-	AG-05B FGM -QR8G ⑪	ASG-05B FGM -QR8G ⑪ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (Z) F/F+M					
	End1: (F) FF End2: (F) FF	AB-AD05 FL -AD FL -QD ⑩	AB-ASD05 FL -ASD FL -QD ⑩ *	AB-AG05 ZL -AG ZL -QG ⑩	AB-ASG05 ZL -ASG ZL -QG ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD05 FL -AD BL -QD ⑩	AB-ASD05 FL -ASD BL -QD ⑩ *	-	-
	End1: (F) FF End2: (H) MF	AB-AD05 FL -AD HL -QD ⑩	AB-ASD05 FL -ASD HL -QD ⑩ *	-	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (Z) F/F+M					
	End1: (F) FF End2: (F) FF	AB-AD05 FL -AD FR -QD ⑩	AB-ASD05 FL -ASD FR -QD ⑩ *	AB-AG05 ZL -AG ZR -QG ⑩	AB-ASG05 ZL -ASG ZR -QG ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD05 FL -AD BR -QD ⑩	AB-ASD05 FL -ASD BR -QD ⑩ *	-	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (Z) F/F+M					
	End1: (F) FF End2: (F) FF	AB-AD05 FR -AD FR -QD ⑩	AB-ASD05 FR -ASD FR -QD ⑩ *	AB-AG05 ZR -AG ZR -QG ⑩	AB-ASG05 ZR -ASG ZR -QG ⑩ *
	End1: (F) FF End2: (B) FM	AB-AD05 FR -AD BR -QD ⑩	AB-ASD05 FR -ASD BR -QD ⑩ *	-	-
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (B) FM	AB-AD05 FR -AD BL -QD ⑩	AB-ASD05 FR -ASD BL -QD ⑩ *	-	-
	End1: (F) FF End2: (H) MF	AB-AD05 FR -AD HL -QD ⑩	AB-ASD05 FR -ASD HL -QD ⑩ *	-	-
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, Packing Option: Connector With Contacts, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm (G) Female PWD + Male GND					
	Solder Type (16A: For Power Group)	AD-05B FFG -QL8AP0 *	ASD-05B FFG -QL8AP0 *	-	ASG-05B FFG -QL8APP *
	Screw-in Type (16A: For Power Group)	AD-05B FFB -QL8AP0 *	ASD-05B FFB -QL8AP0 *	-	ASG-05B FFB -QL8APP *
	Crimp Type (16A: For Power Group)	AD-05B FFA -QL8AP0 *	ASD-05B FFA -QL8AP0 *	AG-05B FGA -QL8APP *	ASG-05B FGA -QL8APP *
	Push-in Type (16A: For Power Group)	AD-05B FFE -QL8AP0 *	ASD-05B FFE -QL8AP0 *	AG-05B FGE -QL8APP *	ASG-05B FGE -QL8APP *

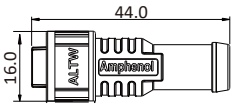
No of Contacts	Panel Cut Out Circular Flange (D cut)  (Unit: mm)	6		8	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		2A		2A	
Plastic / Metal		Plastic	Metal	Plastic	Metal
Pin Assignment		FF		FF	
MM : Male Connector Male Contact FF : Female Connector Female Contact					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾					
	UL21388, PVC Jacket (For Data Group)	AU-06BFFM-QL8D⑪	ASU-06BFFM-QL8D⑪*	AU-08BFFM-QL8D⑪	ASU-08BFFM-QL8D⑪*
	Cat. 6A, LSZH Jacket	-	-	-	ASU-08BFFM-QL8J⑪*
	UTP Cat. 5e, PVC Jacket	-	-	AU-08BFFM-QL8H⑪	-
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾					
	UL21388, PVC Jacket (For Data Group)	AU-06BFFM-QR8D⑪	ASU-06BFFM-QR8D⑪*	AU-08BFFM-QR8D⑪	ASU-08BFFM-QR8D⑪*
	Cat. 6A, LSZH Jacket	-	-	-	ASU-08BFFM-QR8J⑪*
	UTP Cat. 5e, PVC Jacket	-	-	AU-08BFFM-QR8H⑪	-
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type (16A: For Power Group)	AU-06BFFG-QL8AP0*	ASU-06BFFG-QL8AP0*	AU-08BFFG-QL8AP0*	ASU-08BFFG-QL8AP0*
	Screw-in Type (16A: For Power Group)	AU-06BFFB-QL8AP0	ASU-06BFFB-QL8AP0*	AU-08BFFB-QL8AP0	ASU-08BFFB-QL8AP0*
	Crimp Type (16A: For Power Group)	AU-06BFFA-QL8AP0*	ASU-06BFFA-QL8AP0*	AU-08BFFA-QL8AP0*	ASU-08BFFA-QL8AP0*

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (M) MM					
	End1: (F) FF End2: (F) FF	AB-AU06FL-AUFL-QD⑩	AB-ASU06FL-ASUFL-QD⑩*	AB-AU08FL-AUFL-QD⑩	AB-ASU08FL-ASUFL-QD⑩*
	End1: (F) FF End2: (F) FF (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08FL-AUFL-QH⑩	-
	End1: (F) FF End2: (F) FF (UTP Cat. 6A, PVC Jacket)	-	-	-	AB-ASU08FL-ASUFL-QJ⑩*
	Female Conn Female Contact to RJ45 Plug (Cat. 5e)	-	-	AB-AU08FL-UPBML-QH⑩	-
	Female Conn Female Contact to RJ45 Plug (Cat. 6A)	-	-	-	AB-ASU08FL-SPBML-QJ⑩*
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF					
	End1: (F) FF End2: (F) FF	AB-AU06FL-AUFR-QD⑩	AB-ASU06FL-ASUFR-QD⑩*	AB-AU08FL-AUFR-QD⑩	AB-ASU08FL-ASUFR-QD⑩*
	End1: (F) FF End2: (F) FF (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08FL-AUFR-QH⑩	-
	End1: (F) FF End2: (F) FF (UTP Cat. 6A, PVC Jacket)	-	-	-	AB-ASU08FL-ASUFR-QJ⑩*
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF					
	End1: (F) FF End2: (F) FF	AB-AU06FR-AUFR-QD⑩	AB-ASU06FR-ASUFR-QD⑩*	AB-AU08FR-AUFR-QD⑩	AB-ASU08FR-ASUFR-QD⑩*
	End1: (F) FF End2: (F) FF (UTP Cat. 5e, PVC Jacket)	-	-	AB-AU08FR-AUFR-QH⑩	-
	End1: (F) FF End2: (F) FF (UTP Cat. 6A, PVC Jacket)	-	-	-	AB-ASU08FR-ASUFR-QJ⑩*
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (M) MM					
	Female Conn Female Contact to RJ45 Plug (Cat. 5e)	-	-	AB-AU08FR-UPBML-QH⑩	-
	Female Conn Female Contact to RJ45 Plug (Cat. 6A)	-	-	-	AB-ASU08FR-SPBML-QJ⑩*

No of Contacts	10		12		17	
Rated Voltage (AC/DC)	30 ~ 600V		30 ~ 600V		30 ~ 600V	
Nominal Current	1.5A		1.5A		1.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF		FF	
FF : Female Connector Female Contact						

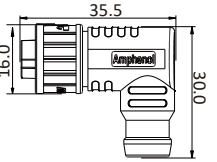
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AZ-10BFFM-QL8D ¹¹ *	ASZ-10BFFM-QL8D ¹¹ *	AZ-12BFFM-QL8D ¹¹ *	ASZ-12BFFM-QL8D ¹¹ *	AZ-17BFFM-QL8D ¹¹ *	ASZ-17BFFM-QL8D ¹¹ *
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

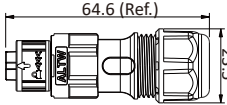
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AZ-10BFFM-QR8D ¹¹ *	ASZ-10BFFM-QR8D ¹¹ *	AZ-12BFFM-QR8D ¹¹ *	ASZ-12BFFM-QR8D ¹¹ *	AZ-17BFFM-QR8D ¹¹ *	ASZ-17BFFM-QR8D ¹¹ *
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)

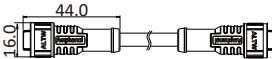
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AZ-10BFFG-QL8AP0	ASZ-10BFFG-QL8AP0*	AZ-12BFFG-QL8AP0	ASZ-12BFFG-QL8AP0*	AZ-17BFFG-QL8AP0	ASZ-17BFFG-QL8AP0*
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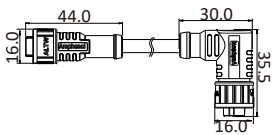
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: (F) FF End2: (F) FF	AB-AZ10FL-AZFL-QD ¹⁰ *	AB-ASZ10FL-ASZFL-QD ¹⁰ *	AB-AZ12FL-AZFL-QD ¹⁰ *	AB-ASZ12FL-ASZFL-QD ¹⁰ *	AB-AZ17FL-AZFL-QD ¹⁰ *	AB-ASZ17FL-ASZFL-QD ¹⁰ *
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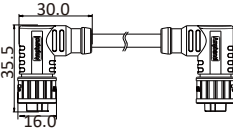
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: (F) FF End2: (F) FF	AB-AZ10FL-AZFR-QD ¹⁰ *	AB-ASZ10FL-ASZFR-QD ¹⁰ *	AB-AZ12FL-AZFR-QD ¹⁰ *	AB-ASZ12FL-ASZFR-QD ¹⁰ *	AB-AZ17FL-AZFR-QD ¹⁰ *	AB-ASZ17FL-ASZFR-QD ¹⁰ *
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RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: (F) FF End2: (F) FF	AB-AZ10FR-AZFR-QD ¹⁰ *	AB-ASZ10FR-ASZFR-QD ¹⁰ *	AB-AZ12FR-AZFR-QD ¹⁰ *	AB-ASZ12FR-ASZFR-QD ¹⁰ *	AB-AZ17FR-AZFR-QD ¹⁰ *	AB-ASZ17FR-ASZFR-QD ¹⁰ *
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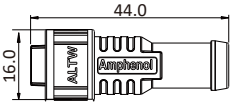
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	18		24	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF	
FF : Female Connector Female Contact				

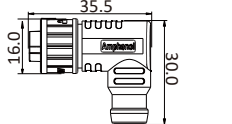
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-18B FF M- QL8D ⑪ *	ASY-18B FF M- QL8D ⑪ *	AY-24B FF M- QL8D ⑪ *	ASY-24B FF M- QL8D ⑪ *
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RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)

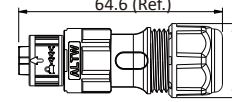
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-18B FF M- QR8D ⑪ *	ASY-18B FF M- QR8D ⑪ *	AY-24B FF M- QR8D ⑪ *	ASY-24B FF M- QR8D ⑪ *
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Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)

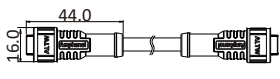
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm |

Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AY-18B FF G- QL8AP0 *	ASY-18B FF G- QL8AP0 *	AY-24B FF G- QL8AP0 *	ASY-24B FF G- QL8AP0 *
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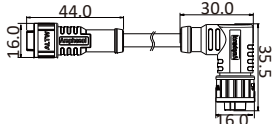
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: (F) FF End2: (F) FF	AB-AY18 FL- AY FL-QD ⑩ *	AB-ASY18 FL- ASY FL-QD ⑩ *	AB-AY24 FL- AY FL-QD ⑩ *	AB-ASY24 FL- ASY FL-QD ⑩ *
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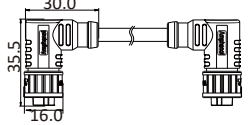
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

	End1: (F) FF End2: (F) FF	AB-AY18 FL- AY FR-QD ⑩ *	AB-ASY18 FL- ASY FR-QD ⑩ *	AB-AY24 FL- AY FR-QD ⑩ *	AB-ASY24 FL- ASY FR-QD ⑩ *
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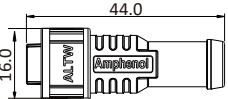
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF

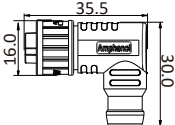
	End1: (F) FF End2: (F) FF	AB-AY18 FR- AYFR-QD ⑩ *	AB-ASY18 FR- ASYFR-QD ⑩ *	AB-AY24 FR- AYFR-QD ⑩ *	AB-ASY24 FR- ASYFR-QD ⑩ *
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No of Contacts	30		33	
Rated Voltage (AC/DC)	50V		50V	
Nominal Current	0.5A		0.5A	
Plastic / Metal	Plastic	Metal	Plastic	Metal
Pin Assignment	FF		FF	
FF: Female Connector Female Contact				

STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-30B FF M- QL8D ⑪ *	ASY-30B FF M- QL8D ⑪ *	AY-33B FF M- QL8D ⑪ *	ASY-33B FF M- QL8D ⑪ *
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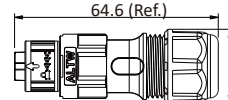
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Data Group)	AY-30B FF M- QR8D ⑪ *	ASY-30B FF M- QR8D ⑪ *	AY-33B FF M- QR8D ⑪ *	ASY-33B FF M- QR8D ⑪ *
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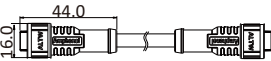
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm |

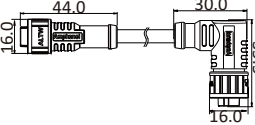
Packing Option: Connector With Contacts

	Solder Type (16A: For Power Group)	AY-30B FF G- QL8AP0 *	ASY-30B FF G- QL8AP0 *	AY-33B FF G- QL8AP0 *	ASY-33B FF G- QL8AP0 *
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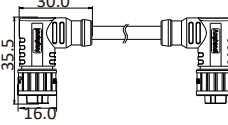
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

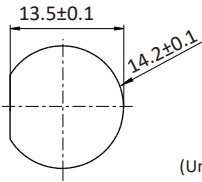
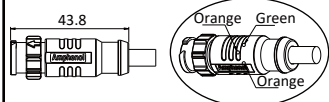
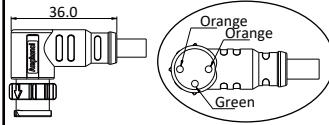
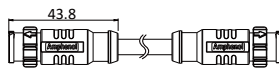
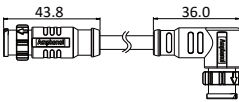
	End1: (F) FF End2: (F) FF	AB-AY30 FL - AY FL -QD ⑩ *	AB-ASY30 FL - ASY FL -QD ⑩ *	AB-AY33 FL - AY FL -QD ⑩ *	AB-ASY33 FL - ASY FL -QD ⑩ *
--	---	---	---	---	---

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

	End1: (F) FF End2: (F) FF	AB-AY30 FL - AY FR -QD ⑩ *	AB-ASY30 FL - ASY FR -QD ⑩ *	AB-AY33 FL - AY FR -QD ⑩ *	AB-ASY33 FL - ASY FR -QD ⑩ *
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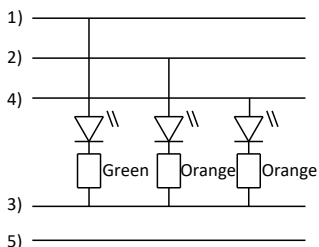
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF

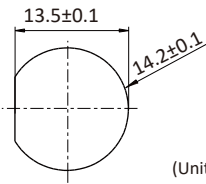
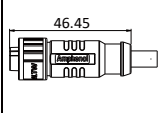
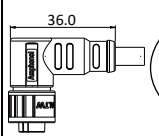
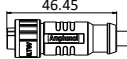
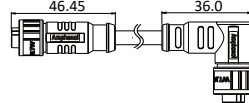
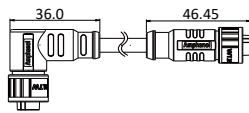
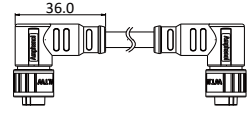
	End1: (F) FF End2: (F) FF	AB-AY30 FR - AY FR -QD ⑩ *	AB-ASY30 FR - ASY FR -QD ⑩ *	AB-AY33 FR - AY FR -QD ⑩ *	AB-ASY33 FR - ASY FR -QD ⑩ *
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No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	3		4		5	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V		30 ~ 600V	
Nominal Current		5A		5A		5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF	MM	MF
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact							
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)							
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL21388, PVC Jacket	LAD-03BMMM-QL8D 11 *	LAD-03BMFM-QL8D 11 *	LAD-04BMMM-QL8D 11 *	LAD-04BMFM-QL8D 11 *	LAD-05BMMM-QL8D 11	LAD-05BMFM-QL8D 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)							
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL21388, PVC Jacket	LAD-03BMMM-QR8D 11 *	LAD-03BMFM-QR8D 11 *	LAD-04BMMM-QR8D 11 *	LAD-04BMFM-QR8D 11 *	LAD-05BMMM-QR8D 11	LAD-05BMFM-QR8D 11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF							
	End1: (H) MF End2: (H) MF	-	AB-LAD03HL-LADHL-QD 10 *	-	AB-LAD04HL-LADHL-QD 10 *	-	AB-LAD05HL-LADHL-QD 10 *
	End1: (M) MM End2: (H) MF	AB-LAD03ML-LADHL-QD 10 *	-	AB-LAD04ML-LADHL-QD 10 *	-	AB-LAD05ML-LADHL-QD 10 *	-
	End1: (M) MM End2: (M) MM	AB-LAD03ML-LADML-QD 10 *	-	AB-LAD04ML-LADML-QD 10 *	-	AB-LAD05ML-LADML-QD 10 *	-
	End1: (H) MF End2: (B) FM	-	AB-LAD03HL-LADBL-QD 10 *	-	AB-LAD04HL-LADBL-QD 10 *	-	AB-LAD05HL-LADBL-QD 10 *
	End1: (M) MM End2: (B) FM	AB-LAD03ML-LADBL-QD 10 *	-	AB-LAD04ML-LADBL-QD 10 *	-	AB-LAD05ML-LADBL-QD 10 *	-
	End1: (M) MM End2: (F) FF	AB-LAD03ML-LADFL-QD 10 *	-	AB-LAD04ML-LADFL-QD 10 *	-	AB-LAD05ML-LADFL-QD 10 *	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF							
	End1: (H) MF End2: (B) FM	-	AB-LAD03HL-LADBR-QD 10 *	-	AB-LAD04HL-LADBR-QD 10 *	-	AB-LAD05HL-LADBR-QD 10 *
	End1: (M) MM End2: (B) FM	AB-LAD03ML-LADBR-QD 10 *	-	AB-LAD04ML-LADBR-QD 10 *	-	AB-LAD05ML-LADBR-QD 10 *	-
	End1: (M) MM End2: (F) FF	AB-LAD03ML-LADFR-QD 10 *	-	AB-LAD04ML-LADFR-QD 10 *	-	AB-LAD05ML-LADFR-QD 10 *	-

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request



No of Contacts	Panel Cut Out	3		4		5	
Rated Voltage (AC/DC)	Circular Flange (D Cut)  (Unit: mm)	30 ~ 600V		30 ~ 600V		30 ~ 600V	
Nominal Current		5A		5A		5A	
Plastic / Metal		Plastic		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM	FF	FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact							
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)							
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL21388, PVC Jacket	LAD-03BFFM-QL8D 11 *	LAD-03BFMM-QL8D 11 *	LAD-04BFFM-QL8D 11 *	LAD-04BFMM-QL8D 11 *	LAD-05BFFM-QL8D 11	LAD-05BFMM-QL8D 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)							
11 Cable Length: (01) 1M ~ (99) 99M ¹⁾							
	UL21388, PVC Jacket	LAD-03BMFF-QR8D 11 *	LAD-03BFMM-QR8D 11 *	LAD-04BFFM-QR8D 11 *	LAD-04BFMM-QR8D 11 *	LAD-05BFFM-QR8D 11	LAD-05BFMM-QR8D 11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF							
	End1: (F) FF End2: (F) FF	AB-LAD03FL-LADFL-QD 10 *	-	AB-LAD04FL-LADFL-QD 10 *	-	AB-LAD05FL-LADFL-QD 10 *	-
	End1: (F) FF End2: (H) MF	AB-LAD03FL-LADHL-QD 10 *	-	AB-LAD04FL-LADHL-QD 10 *	-	AB-LAD05FL-LADHL-QD 10 *	-
	End1: (F) FF End2: (B) FM	AB-LAD03FL-LADBL-QD 10 *	-	AB-LAD04FL-LADBL-QD 10 *	-	AB-LAD05FL-LADBL-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	AB-LAD03BL-LADBL-QD 10 *	-	AB-LAD04BL-LADBL-QD 10 *	-	AB-LAD05BL-LADBL-QD 10 *
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM							
	End1: (F) FF End2: (F) FF	AB-LAD03FL-LADFR-QD 10 *	-	AB-LAD04FL-LADFR-QD 10 *	-	AB-LAD05FL-LADFR-QD 10 *	-
	End1: (F) FF End2: (B) FM	AB-LAD03FL-LADBR-QD 10 *	-	AB-LAD04FL-LADBR-QD 10 *	-	AB-LAD05FL-LADBR-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	AB-LAD03BL-LADBR-QD 10 *	-	AB-LAD04BL-LADBR-QD 10 *	-	AB-LAD05BL-LADBR-QD 10 *
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF							
	End1: (F) FF End2: (B) FM	AB-LAD03FR-LADBL-QD 10 *	-	AB-LAD04FR-LADBL-QD 10 *	-	AB-LAD05FR-LADBL-QD 10 *	-
	End1: (F) FF End2: (H) MF	AB-LAD03FR-LADHL-QD 10 *	-	AB-LAD04FR-LADHL-QD 10 *	-	AB-LAD05FR-LADHL-QD 10 *	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)							
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM							
	End1: (F) FF End2: (F) FF	AB-LAD03FR-LADFR-QD 10 *	-	AB-LAD04FR-LADFR-QD 10 *	-	AB-LAD05FR-LADFR-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	AB-LAD03BR-LADBR-QD 10 *	-	AB-LAD04BR-LADBR-QD 10 *	-	AB-LAD05BR-LADBR-QD 10 *
	End1: (F) FF End2: (B) FM	AB-LAD03FR-LADBR-QD 10 *	-	AB-LAD04FR-LADBR-QD 10 *	-	AB-LAD05FR-LADBR-QD 10 *	-

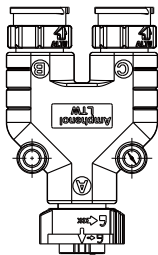
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

* Upon Request

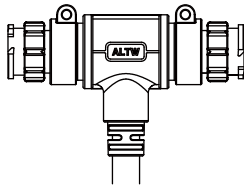
Customization - Upon Request



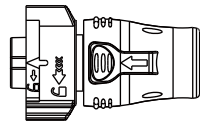
I Adaptor



Y Adaptor

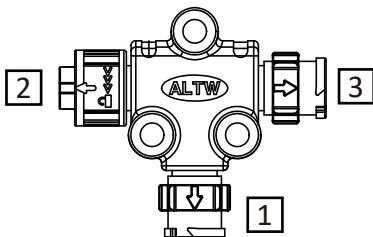


T Cable



Terminator

T Adaptor

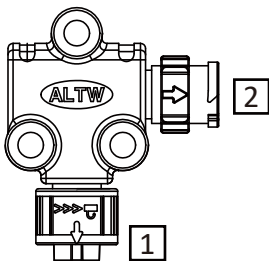


- 1 Current Rating:
(AZ) 1.5A* (ASZ) 1.5A, Metal Shielded*
(AU) 2A* (ASU) 2A, Metal Shielded*
(AD) 5A (ASD) 5A, Metal Shielded*
(AG) 16A* (KAG) 16A, Metal Non-shielded*
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

*Upon Request

Nominal Current	No. of Contacts 2	Mating Style	Part Number	More Options
5A (AD)	02, 03, 04, 05	Push Lock	AB-AD-222-FFM-TQ001	AB-1-222-567-TQ001
			AB-AD-222-MFM-TQ001	

L Adaptor

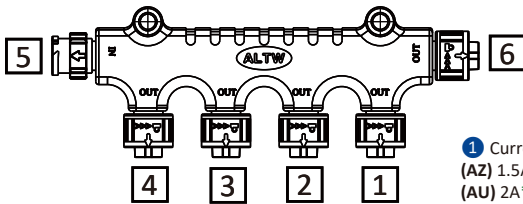
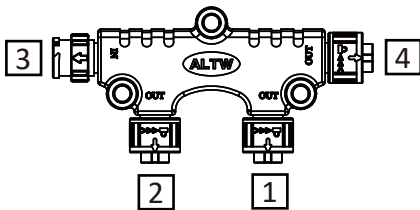


- 1 Current Rating:
(AZ) 1.5A* (ASZ) 1.5A, Metal Shielded*
(AU) 2A* (ASU) 2A, Metal Shielded*
(AD) 5A (ASD) 5A, Metal Shielded*
(AG) 16A* (KAG) 16A, Metal Non-shielded*
4 For Connector 1
5 For Connector 2
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

*Upon Request

Nominal Current	No. of Contacts 2	Mating Style	Part Number	More Options
5A (AD)	02, 03, 04, 05	Push Lock	AB-AD-0022-0FM-LQ001	AB-1-0022-045-LQ001

Multi-Ports Adaptor



- 1 Current Rating:
(AZ) 1.5A* (ASZ) 1.5A, Metal Shielded*
(AU) 2A* (ASU) 2A, Metal Shielded*
(AD) 5A (ASD) 5A, Metal Shielded*
(AG) 16A* (KAG) 16A, Metal Non-shielded*
*Upon Request

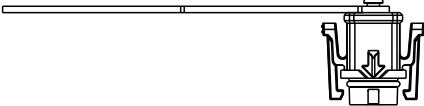
Nominal Current	No. of Contacts 2	Mating Style	2 Way Tee Part Number	4 Way Tee Part Number
5A (AD)	2, 3, 4, 5	Push Lock	AB-AD-2222-00-FFMF00-Q001	AB-AD-222222-FFFFMF-Q001
		More Options	AB-1-2222-00-FFMF00-Q001	AB-1-222222-FFFFMF-Q001

Waterproof Cap

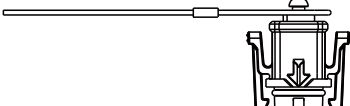
For Mating With Male



None

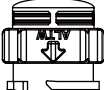


With Rubber Lead

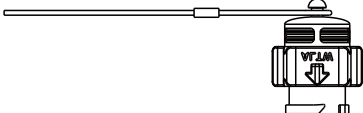


With Fish Line

For Mating With Female



None



With Fish Line

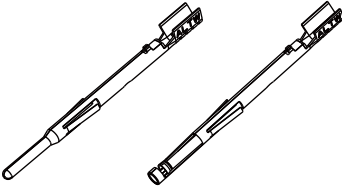


With Rubber Lead

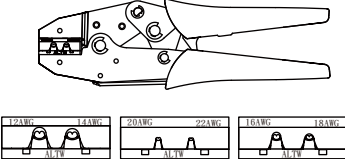
More to choose: ③ None (MA) / With Rubber Lead (PC) / ④ None (MA) / With Fish Line (CD) / ⑤ None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
A Size	Receptacle	Male	Push Lock	CAP-WAAMQ③ 1
	Overmolded with Cable	Female		CAP-WAAFQ④ 1
		Male		CAP-WAAMQM⑤ 1
	Receptacle			CAP-WAAMQPC2

Contacts & Crimp Tool



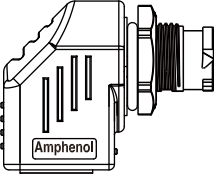
5A



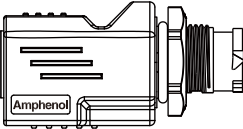
Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages⑥	Crimp Tool
5A	Male	ASSP-05-M-A-C-⑥	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-⑥		

X-Lok To RJ45 Adaptor*



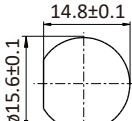
Right Angle



Straight

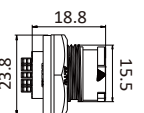
*Upon Request

Nominal Current	No. of Contacts	Transmission Speed	Gender	Straight / Right Angle	Part Number
2A (AU)	08	Cat. 5e	Male	Straight	RJ-AU08FM-LQ8001
				Right Angle	RJ-AU08FM-RQ8001
2A (ASU)	08	Cat. 5e	Male	Straight	RJS-ASU08FM-LQ8001
				Right Angle	RJS-ASU08FM-RQ8001
1.5A (ASZ)	12	Cat. 6A	Male	Straight	RJS-ASZ12FM-LQ8001
				Right Angle	RJS-ASZ12FM-RQ8001

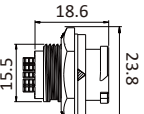
No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)
Rated Voltage (AC/DC)	
Nominal Current	
Plastic / Metal	
Pin Assignment	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact	

2			
30 ~ 600V			
5A		10A	
Plastic		Plastic	
MM	MF	MM	MF
			

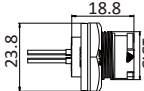
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-02PMM S-QC8001	BD-02PMF S-QC8001	BB-02PMM S-QC8001	BB-02PMF S-QC8001
	Solder Type (For Power Group)	-	-	BB-02PMM S-QC800P	BB-02PMF S-QC800P
	180° PCB Type (For Data Group)	BD-02PMM P-QC8001 *	BD-02PMF P-QC8001 *	BB-02PMM P-QC8001 *	BB-02PMF P-QC8001 *

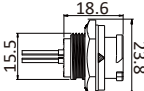
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-02RMM S-QC8001	BD-02RMF S-QC8001	BB-02RMM S-QC8001	BB-02RMF S-QC8001
	Solder Type (For Power Group)	-	-	BB-02RMM S-QC800P	BB-02RMF S-QC800P
	180° PCB Type (For Data Group)	BD-02RMM P-QC8001 *	BD-02RMF P-QC8001 *	BB-02RMM P-QC8001 *	BB-02RMF P-QC8001 *

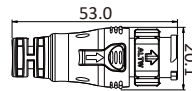
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-02PMM S-QC8A ⑪ *	BD-02PMF S-QC8A ⑪ *	BB-02PMM S-QC8A ⑪ *	BB-02PMF S-QC8A ⑪ *
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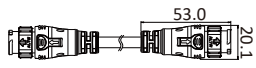
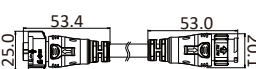
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

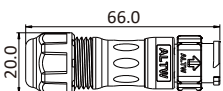
	UL1430, XL-PVC Jacket	BD-02RMM S-QC8A ⑪ *	BD-02RMF S-QC8A ⑪ *	BB-02RMM S-QC8A ⑪ *	BB-02RMF S-QC8A ⑪ *
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STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-02AMM M-QL8D ⑪	BD-02AMF M-QL8D ⑪	BB-02AMM M-QL8D ⑪	BB-02AMF M-QL8D ⑪
	UL SJTW, PVC Jacket (For Power Group)	BD-02AMM M-QL8E ⑪	BD-02AMF M-QL8E ⑪	BB-02AMM M-QL8E ⑪	BB-02AMF M-QL8E ⑪
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-02AMM M-QL8K ⑪	BB-02AMF M-QL8K ⑪
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02AMM M-QL8L ⑪	BB-02AMF M-QL8L ⑪

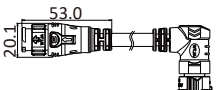
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (M) MM	AB-BD02ML-BDML-QD ⑩	-	AB-BB02ML-BBML-QD ⑩	-
	End1: (M) MM End2: (H) MF	AB-BD02ML-BDHL-QD ⑩	-	AB-BB02ML-BBHL-QD ⑩	-
	End1: (H) MF End2: (H) MF	-	AB-BD02HL-BDHL-QD ⑩	-	AB-BB02HL-BBHL-QD ⑩
	End1: (M) MM End2: (F) FF	AB-BD02ML-BDFL-QD ⑩	-	AB-BB02ML-BBFL-QD ⑩	-
	End1: (M) MM End2: (B) FM	AB-BD02ML-BDFL-QD ⑩	-	AB-BB02ML-BBFL-QD ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-BD02HL-BDBL-QD ⑩	-	AB-BB02HL-BDBL-QD ⑩

No of Contacts			2			
Rated Voltage (AC/DC)			30 ~ 600V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment			MM	MF	MM	MF
MM : Male Connector Male Contact						
FF : Female Connector Female Contact						
MF : Male Connector Female Contact						
FM : Female Connector Male Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-02B MMG -QL8AP0 *	BD-02B MFG -QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B MMG -QL8SP0 *	BD-02B MFG -QL8SP0 *	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02B MMG -QL8MP0 *	BD-02B MFG -QL8MP0 *	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02B MMG -QL8LP0 *	BD-02B MFG -QL8LP0 *	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B MMG -QL8APP *	BB-02B MFG -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B MMG -QL8SPP *	BB-02B MFG -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02B MMG -QL8MPP *	BB-02B MFG -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02B MMG -QL8LPP *	BB-02B MFG -QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-02B MMB -QL8AP0 *	BD-02B MFB -QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B MMB -QL8SP0 *	BD-02B MFB -QL8SP0 *	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02B MMB -QL8MP0 *	BD-02B MFB -QL8MP0 *	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02B MMB -QL8LP0 *	BD-02B MFB -QL8LP0 *	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B MMB -QL8APP *	BB-02B MFB -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B MMB -QL8SPP *	BB-02B MFB -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02B MMB -QL8MPP *	BB-02B MFB -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02B MMB -QL8LPP *	BB-02B MFB -QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B MME -QL8APP *	BB-02B MFE -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B MME -QL8SPP *	BB-02B MFE -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02B MME -QL8MPP *	BB-02B MFE -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02B MME -QL8LPP *	BB-02B MFE -QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-02B MMA -QL8AP0	BD-02B MFA -QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-02B MMA -QL8SP0	BD-02B MFA -QL8SP0	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02B MMA -QL8MP0	BD-02B MFA -QL8MP0	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02B MMA -QL8LP0	BD-02B MFA -QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02B MMA -QL8APP *	BB-02B MFA -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-02B MMA -QL8SPP *	BB-02B MFA -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02B MMA -QL8MPP *	BB-02B MFA -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02B MMA -QL8LPP *	BB-02B MFA -QL8LPP *

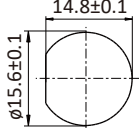
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

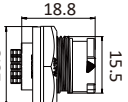
	End1: (M) MM End2: (F) FF	AB-BD02ML-BD FR -QD 10	-	AB-BB02ML-BB FR -QD 10	-
	End1: (M) MM End2: (B) FM	AB-BD02ML-BD BR -QD 10	-	AB-BB02ML-BB BR -QD 10	-
	End1: (H) MF End2: (B) FM	-	AB-BD02HL-BD BR -QD 10	-	AB-BB02HL-BB BR -QD 10

*Upon Request

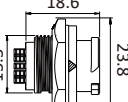
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)	3 30 ~ 600V				3 (2+1) 30 ~ 600V	
Rated Voltage (AC/DC)		5A		10A		10A+5A	
Nominal Current		Plastic		Plastic		Plastic	
Plastic / Metal		MM	MF	MM	MF	MM	MF
Pin Assignment							

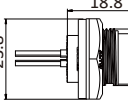
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-03PMM S-QC8001	BD-03PMF S-QC8001	BB-03PMM S-QC8001	BB-03PMF S-QC8001	BBD-03PMM S-QC8001	BBD-03PMF S-QC8001
	Solder Type (For Power Group)	BD-03PMM S-QC800P	BD-03PMF S-QC800P	BB-03PMM S-QC800P	BB-03PMF S-QC800P	-	-
	180° PCB Type (For Data Group)	BD-03PMM P-QC8001*	BD-03PMF P-QC8001*	BB-03PMM P-QC8001*	BB-03PMF P-QC8001*	BBD-03PMM P-QC8001*	BBD-03PMF P-QC8001*

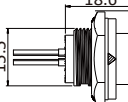
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-03RMM S-QC8001	BD-03RMF S-QC8001	BB-03RMM S-QC8001	BB-03RMF S-QC8001	BBD-03RMM S-QC8001	BBD-03RMF S-QC8001
	Solder Type (For Power Group)	BD-03RMM S-QC800P	BD-03RMF S-QC800P	BB-03RMM S-QC800P	BB-03RMF S-QC800P	-	-
	180° PCB Type (For Data Group)	BD-03RMM P-QC8001*	BD-03RMF P-QC8001*	BB-03RMM P-QC8001*	BB-03RMF P-QC8001*	BBD-03RMM P-QC8001*	BBD-03RMF P-QC8001*

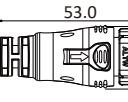
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-03PMM S-QC8A ⑪*	BD-03PMF S-QC8A ⑪*	BB-03PMM S-QC8A ⑪*	BB-03PMF S-QC8A ⑪*	BBD-03PMM S-QC8A ⑪*	BBD-03PMF S-QC8A ⑪*
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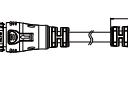
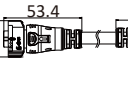
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-03RMM S-QC8A ⑪*	BD-03RMF S-QC8A ⑪*	BB-03RMM S-QC8A ⑪*	BB-03RMF S-QC8A ⑪*	BBD-03RMM S-QC8A ⑪*	BBD-03RMF S-QC8A ⑪*
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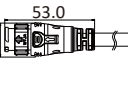
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-03AMM M-QL8D ⑪	BD-03AMF M-QL8D ⑪	BB-03AMM M-QL8D ⑪	BB-03AMF M-QL8D ⑪	-	-
	UL SJTW, PVC Jacket (For Power Group)	BD-03AMM M-QL8E ⑪	BD-03AMF M-QL8E ⑪	BB-03AMM M-QL8E ⑪	BB-03AMF M-QL8E ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	-	-	BBD-03AMM M-QL8F ⑪	BBD-03AMF M-QL8F ⑪
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-03AMM M-QL8K ⑪	BB-03AMF M-QL8K ⑪	-	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03AMM M-QL8L ⑪	BB-03AMF M-QL8L ⑪	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

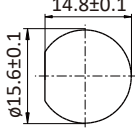
	End1: (M) MM End2: (M) MM	AB-BD03ML-BDML-QD ⑩	-	AB-BB03ML-BBML-QD ⑩	-	-	-
	End1: (M) MM End2: (H) MF	AB-BD03ML-BDHL-QD ⑩	-	AB-BB03ML-BBHL-QD ⑩	-	-	-
	End1: (H) MF End2: (H) MF	-	AB-BD03HL-BDHL-QD ⑩	-	AB-BB03HL-BBHL-QD ⑩	-	-
	End1: (M) MM End2: (F) FF	AB-BD03ML-BDFL-QD ⑩	-	AB-BB03ML-BBFL-QD ⑩	-	-	-
	End1: (M) MM End2: (B) FM	AB-BD03ML-BDBL-QD ⑩	-	AB-BB03ML-BBBL-QD ⑩	-	-	-
	End1: (H) MF End2: (B) FM	-	AB-BD03HL-BDBL-QD ⑩	-	AB-BB03HL-BBBL-QD ⑩	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (F) FF	AB-BD03ML-BDFR-QD ⑩	-	AB-BB03ML-BBFR-QD ⑩	-	-	-
	End1: (M) MM End2: (B) FM	AB-BD03ML-BDBR-QD ⑩	-	AB-BB03ML-BBFR-QD ⑩	-	-	-
	End1: (H) MF End2: (B) FM	-	AB-BD03HL-BDBR-QD ⑩	-	AB-BB03HL-BBFR-QD ⑩	-	-

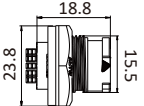
No of Contacts			3			
Rated Voltage (AC/DC)			30 ~ 600V			
Nominal Current			5A		10A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment			MM	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-03B MMG -QL8AP0 *	BD-03B MF G-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B MMG -QL8SP0 *	BD-03B MF G-QL8SP0 *	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03B MMG -QL8MP0 *	BD-03B MF G-QL8MP0 *	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03B MMG -QL8LP0 *	BD-03B MF G-QL8LP0 *	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B MMG -QL8APP *	BB-03B MF G-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B MMG -QL8SPP *	BB-03B MF G-QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03B MMG -QL8MPP *	BB-03B MF G-QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03B MMG -QL8LPP *	BB-03B MF G-QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-03B MMB -QL8AP0 *	BD-03B MF B-QL8AP0 *	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B MMB -QL8SP0 *	BD-03B MF B-QL8SP0 *	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03B MMB -QL8MP0 *	BD-03B MF B-QL8MP0 *	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03B MMB -QL8LP0 *	BD-03B MF B-QL8LP0 *	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B MMB -QL8APP *	BB-03B MF B-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B MMB -QL8SPP *	BB-03B MF B-QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03B MMB -QL8MPP *	BB-03B MF B-QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03B MMB -QL8LPP *	BB-03B MF B-QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B MME -QL8APP *	BB-03B MF E-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B MME -QL8SPP *	BB-03B MF E-QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03B MME -QL8MPP *	BB-03B MF E-QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03B MME -QL8LPP *	BB-03B MF E-QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-03B MMA -QL8AP0	BD-03B MF A-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-03B MMA -QL8SP0	BD-03B MF A-QL8SP0	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03B MMA -QL8MP0	BD-03B MF A-QL8MP0	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03B MMA -QL8LP0	BD-03B MF A-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03B MMA -QL8APP *	BB-03B MF A-QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-03B MMA -QL8SPP *	BB-03B MF A-QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03B MMA -QL8MPP *	BB-03B MF A-QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03B MMA -QL8LPP *	BB-03B MF A-QL8LPP *

*Upon Request
1) Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

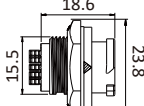
No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)
Rated Voltage (AC/DC)	
Nominal Current	
Plastic / Metal	
Pin Assignment	
MM : Male Connector Male Contact	
FF : Female Connector Female Contact	
MF : Male Connector Female Contact	
FM : Female Connector Male Contact	

4				4 (2+2)	
30 ~ 600V				30 ~ 600V	
5A		10A		10A+5A	
Plastic		Plastic		Plastic	
MM	MF	MM	MF	MM	MF
					

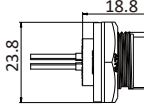
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-04PMM S-QC8001	BD-04PMF S-QC8001	BB-04PMM S-QC8001	BB-04PMF S-QC8001	BBD-04PMM S-QC8001	BBD-04PMF S-QC8001
	Solder Type (For Power Group)	-	-	BB-04PMM S-QC800P	-	-	-
	180° PCB Type (For Data Group)	BD-04PMM P-QC8001*	BD-04PMF P-QC8001*	BB-04PMM P-QC8001*	BB-04PMF P-QC8001*	BBD-04PMM P-QC8001*	BBD-04PMF P-QC8001*

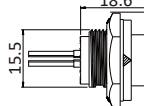
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-04RMM S-QC8001	BD-04RMF S-QC8001	BB-04RMM S-QC8001	BB-04RMF S-QC8001	BBD-04RMM S-QC8001	BBD-04RMF S-QC8001
	Solder Type (For Power Group)	-	-	BB-04RMM S-QC800P	-	-	-
	180° PCB Type (For Data Group)	BD-04RMM P-QC8001*	BD-04RMF P-QC8001*	BB-04RMM P-QC8001*	BB-04RMF P-QC8001*	BBD-04RMM P-QC8001*	BBD-04RMF P-QC8001*

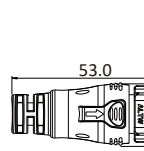
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-04PMM S-QC8A ⑪*	BD-04PMF S-QC8A ⑪*	BB-04PMM S-QC8A ⑪*	BB-04PMF S-QC8A ⑪*	BBD-04PMM S-QC8A ⑪*	BBD-04PMF S-QC8A ⑪*

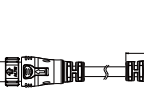
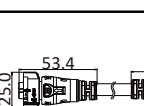
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-04RMM S-QC8A ⑪*	BD-04RMF S-QC8A ⑪*	BB-04RMM S-QC8A ⑪*	BB-04RMF S-QC8A ⑪*	BBD-04RMM S-QC8A ⑪*	BBD-04RMF S-QC8A ⑪*

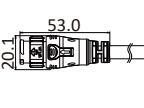
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
 ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

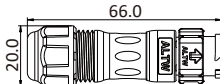
	UL21388, PVC Jacket (For Data Group)	BD-04AMM M-QL8D ⑪	BD-04AMF M-QL8D ⑪	BB-04AMM M-QL8D ⑪	BB-04AMF M-QL8D ⑪	-	-
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04AMM M-QL8E ⑪	-	-	-
	UL21996, PVC Jacket For Hybrid Group)	-	-	-	-	BBD-04AMM M-QL8F ⑪	BBD-04AMF M-QL8F ⑪
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-04AMM M-QL8K ⑪	-	-	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04AMM M-QL8L ⑪	-	-	-

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (M) MM	AB-BD04ML-BDML-QD ⑩	-	AB-BB04ML-BBML-QD ⑩	-	-	-
	End1: (M) MM End2: (H) MF	AB-BD04ML-BDHL-QD ⑩	-	AB-BB04ML-BBHL-QD ⑩	-	-	-
	End1: (H) MF End2: (H) MF	-	AB-BD04HL-BDHL-QD ⑩	-	AB-BB04HL-BBHL-QD ⑩	-	-
	End1: (M) MM End2: (F) FF	AB-BD04ML-BDFL-QD ⑩	-	AB-BB04ML-BBFL-QD ⑩	-	-	-
	End1: (M) MM End2: (B) FM	AB-BD04ML-BDBL-QD ⑩	-	AB-BB04ML-BBBL-QD ⑩	-	-	-
	End1: (H) MF End2: (B) FM	-	AB-BD04HL-BDBL-QD ⑩	-	AB-BB04HL-BDBL-QD ⑩	-	-

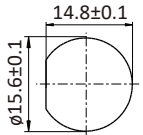
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
 ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (F) FF	AB-BD04ML-BDFR-QD ⑩	-	AB-BB04ML-BBFR-QD ⑩	-	-	-
	End1: (M) MM End2: (B) FM	AB-BD04ML-BDBR-QD ⑩	-	AB-BB04ML-BBBR-QD ⑩	-	-	-
	End1: (H) MF End2: (B) FM	-	AB-BD04HL-BDBR-QD ⑩	-	AB-BB04HL-BBBR-QD ⑩	-	-

No of Contacts			4		
Rated Voltage (AC/DC)			30 ~ 600V		
Nominal Current			5A		10A
Plastic / Metal			Plastic		Plastic
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact			MM	MF	MM
					
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-04B MMG -QL8AP0 *	BD-04B MF G-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B MMG -QL8SP0 *	BD-04B MF G-QL8SP0 *	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B MMG -QL8MP0 *	BD-04B MF G-QL8MP0 *	-
		8.1 ~ 10.0mm Blue Seal	BD-04B MMG -QL8LP0 *	BD-04B MF G-QL8LP0 *	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B MMG -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B MMG -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B MMG -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B MMG -QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-04B MMB -QL8AP0 *	BD-04B MF B-QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B MMB -QL8SP0 *	BD-04B MF B-QL8SP0 *	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B MMB -QL8MP0 *	BD-04B MF B-QL8MP0 *	-
		8.1 ~ 10.0mm Blue Seal	BD-04B MMB -QL8LP0 *	BD-04B MF B-QL8LP0 *	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B MMB -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B MMB -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B MMB -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B MMB -QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B MME -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B MME -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B MME -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B MME -QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-04B MMA -QL8AP0	BD-04B MF A-QL8AP0	-
		5.0 ~ 6.0mm Red Seal	BD-04B MMA -QL8SP0	BD-04B MF A-QL8SP0	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B MMA -QL8MP0	BD-04B MF A-QL8MP0	-
		8.1 ~ 10.0mm Blue Seal	BD-04B MMA -QL8LP0	BD-04B MF A-QL8LP0	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B MMA -QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B MMA -QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B MMA -QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B MMA -QL8LPP *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out	5	5 (2+3)	6
Rated Voltage (AC/DC)	14.8±0.1	30 ~ 600V	30 ~ 600V	30 ~ 600V
Nominal Current		5A	10A+5A	5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment		MM MF	MM MF	MM MF
MM: Male Connector Male Contact				
FF: Female Connector Female Contact				
MF: Male Connector Female Contact				
FM: Female Connector Male Contact				

Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-05PMM S-QC8001	BD-05PMF S-QC8001	BBD-05PMM S-QC8001	BBD-05PMF S-QC8001	BD-06PMM S-QC8001	BD-06PMF S-QC8001
	180° PCB Type (For Data Group)	BD-05PMM P-QC8001*	BD-05PMF P-QC8001*	BBD-05PMM P-QC8001*	BBD-05PMF P-QC8001*	BD-06PMM P-QC8001*	BD-06PMF P-QC8001*

Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type (For Data Group)	BD-05RMM S-QC8001	BD-05RMF S-QC8001	BBD-05RMM S-QC8001	BBD-05RMF S-QC8001	BD-06RMM S-QC8001	BD-06RMF S-QC8001
	180° PCB Type (For Data Group)	BD-05RMM P-QC8001*	BD-05RMF P-QC8001*	BBD-05RMM P-QC8001*	BBD-05RMF P-QC8001*	BD-06RMM P-QC8001*	BD-06RMF P-QC8001*

Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-05PMM S-QC8A⑪*	BD-05PMF S-QC8A⑪*	BBD-05PMM S-QC8A⑪*	BBD-05PMF S-QC8A⑪*	BD-06PMM S-QC8A⑪*	BD-06PMF S-QC8A⑪*
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Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1430, XL-PVC Jacket	BD-05RMM S-QC8A⑪*	BD-05RMF S-QC8A⑪*	BBD-05RMM S-QC8A⑪*	BBD-05RMF S-QC8A⑪*	BD-06RMM S-QC8A⑪*	BD-06RMF S-QC8A⑪*
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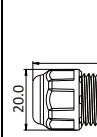
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-05AMM M-QL8D⑪	BD-05AMF M-QL8D⑪	-	-	BD-06AMM M-QL8D⑪	BD-06AMF M-QL8D⑪
	UL21996, PVC Jacket (For Hybrid Group)	-	-	BBD-05AMM M-QL8F⑪	BBD-05AMF M-QL8F⑪	-	-

Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option: Connector With Contacts

	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM G-QL8AP0*	BD-05BMF G-QL8AP0*	-	-	BD-06BMMG QL8AP0*	BD-06BMFG QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BMM G-QL8SP0*	BD-05BMF G-QL8SP0*	-	-	BD-06BMMG QL8SP0*	BD-06BMFG QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-05BMM G-QL8MPO*	BD-05BMF G-QL8MPO*	-	-	BD-06BMMG QL8MPO*	BD-06BMFG QL8MPO*
		8.1 ~ 10.0mm Blue Seal	BD-05BMM G-QL8LP0*	BD-05BMF G-QL8LP0*	-	-	BD-06BMMG QL8LP0*	BD-06BMFG QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM B-QL8AP0*	BD-05BMF B-QL8AP0*	-	-	BD-06BMMB QL8AP0*	BD-06BMFB QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BMM B-QL8SP0*	BD-05BMF B-QL8SP0*	-	-	BD-06BMMB QL8SP0*	BD-06BMFB QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-05BMM B-QL8MPO*	BD-05BMF B-QL8MPO*	-	-	BD-06BMMB QL8MPO*	BD-06BMFB QL8MPO*
		8.1 ~ 10.0mm Blue Seal	BD-05BMM B-QL8LP0*	BD-05BMF B-QL8LP0*	-	-	BD-06BMMB QL8LP0*	BD-06BMFB QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-05BMM A-QL8AP0	BD-05BMF A-QL8AP0	-	-	BD-06BMMB QL8AP0	BD-06BMFB QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-05BMM A-QL8SP0	BD-05BMF A-QL8SP0	-	-	BD-06BMMB QL8SP0	BD-06BMFB QL8SP0
		6.1 ~ 8.0mm Yellow Seal	BD-05BMM A-QL8MPO	BD-05BMF A-QL8MPO	-	-	BD-06BMMB QL8MPO	BD-06BMFB QL8MPO
		8.1 ~ 10.0mm Blue Seal	BD-05BMM A-QL8LP0	BD-05BMF A-QL8LP0	-	-	BD-06BMMB QL8LP0	BD-06BMFB QL8LP0

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (M) MM	AB-BD05ML-BDML-QD⑩	-	-	-	AB-BD06ML-BDML-QD⑩	-
	End1: (M) MM End2: (H) MF	AB-BD05ML-BDHL-QD⑩	-	-	-	AB-BD06ML-BDHL-QD⑩	-
	End1: (H) MF End2: (H) MF	-	AB-BD05HL-BDHL-QD⑩	-	-	-	AB-BD06HL-BDHL-QD⑩
	End1: (M) MM End2: (F) FF	AB-BD05ML-BDFL-QD⑩	-	-	-	AB-BD06ML-BDFL-QD⑩	-
	End1: (M) MM End2: (B) FM	AB-BD05ML-BDBL-QD⑩	-	-	-	AB-BD06ML-BDBL-QD⑩	-
	End1: (H) MF End2: (B) FM	-	AB-BD05HL-BDBL-QD⑩	-	-	-	AB-BD06HL-BDBL-QD⑩

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (F) FF	AB-BD05ML-BDFR-QD⑩	-	-	-	AB-BD06ML-BDFR-QD⑩	-
	End1: (M) MM End2: (B) FM	AB-BD05ML-BDBR-QD⑩	-	-	-	AB-BD06ML-BDBR-QD⑩	-
	End1: (H) MF End2: (B) FM	-	AB-BD05HL-BDBR-QD⑩	-	-	-	AB-BD06HL-BDBR-QD⑩

No of Contacts	6 (2+4)	7	8
Rated Voltage (AC/DC)	30 ~ 600V	30 ~ 600V	30 ~ 600V
Nominal Current	10A+5A	5A	5A
Plastic / Metal	Plastic	Plastic	Plastic
Pin Assignment	MM MF	MM MF	MM MF
MM : Male Connector Male Contact			
FF : Female Connector Female Contact			
MF : Male Connector Female Contact			
FM : Female Connector Male Contact			

Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	Solder Type (For Data Group)	BBD-06PMM S-QC8001	BBD-06PMF S-QC8001	BD-07PMM S-QC8001	-	BD-08PMM S-QC8001
	180° PCB Type (For Data Group)	BBD-06PMM P-QC8001*	BBD-06PMF P-QC8001*	BD-07PMM P-QC8001*	-	BD-08PMM P-QC8001*

Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	Solder Type (For Data Group)	BBD-06RMM S-QC8001	BBD-06RMF S-QC8001	BD-07RMM S-QC8001	-	BD-08RMM S-QC8001
	Solder Type (For Power Group)	-	-	BD-07RMM S-QC800P	-	BD-08RMM S-QC800P
	180° PCB Type (For Data Group)	BBD-06RMF P-QC8001*	BBD-06RMF P-QC8001*	BD-07RMM P-QC8001*	-	BD-08RMM P-QC8001*

Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	UL1430, XL-PVC Jacket	BBD-06PMM S-QC8A⑪*	BBD-06PMF S-QC8A⑪*	BD-07PMM S-QC8A⑪*	-	BD-08PMM S-QC8A⑪*

Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
	UL1430, XL-PVC Jacket	BBD-06RMM S-QC8A⑪*	BBD-06RMF S-QC8A⑪*	BD-07RMM S-QC8A⑪*	-	BD-08RMM S-QC8A⑪*

STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL21388, PVC Jacket (For Data Group)	-	-	BD-07AMM M-QL8D⑪	-	BD-08AMM M-QL8D⑪
	UL SJTW, PVC Jacket (For Power Group)	-	-	BD-07AMM M-QL8E⑪	-	BD-08AMM M-QL8E⑪
	UL21996, PVC Jacket (For Hybrid Group)	BBD-06AMM M-QL8F⑪	BBD-06AMF M-QL8F⑪	-	-	-

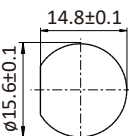
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07BMM G-QL8AP0*	BD-08BMM G-QL8AP0*
		5.0 ~ 6.0mm Red Seal	-	-	BD-07BMM G-QL8SP0*	BD-08BMM G-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	-	-	BD-07BMM G-QL8MP0*	BD-08BMM G-QL8MP0*
		8.1 ~ 10.0mm Blue Seal	-	-	BD-07BMM G-QL8LP0*	BD-08BMM G-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07BMM B-QL8AP0*	BD-08BMM B-QL8AP0*
		5.0 ~ 6.0mm Red Seal	-	-	BD-07BMM B-QL8SP0*	BD-08BMM B-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	-	-	BD-07BMM B-QL8MP0*	BD-08BMM B-QL8MP0*
		8.1 ~ 10.0mm Blue Seal	-	-	BD-07BMM B-QL8LP0*	BD-08BMM B-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	-	-	BD-07BMM A-QL8AP0	BD-08BMM A-QL8AP0
		5.0 ~ 6.0mm Red Seal	-	-	BD-07BMM A-QL8SP0	BD-08BMM A-QL8SP0
		6.1 ~ 8.0mm Yellow Seal	-	-	BD-07BMM A-QL8MP0	BD-08BMM A-QL8MP0
		8.1 ~ 10.0mm Blue Seal	-	-	BD-07BMM A-QL8LP0	BD-08BMM A-QL8LP0

STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)						
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF						
	End1: (M) MM End2: (M) MM	AB-BBD06ML BBDML-QF⑩	-	AB-BD07ML BDML-QD⑩	-	AB-BD08ML BDML-QD⑩
	End1: (M) MM End2: (H) MF	AB-BBD06ML BBDHL-QF⑩	-	AB-BD07ML BDHL-QD⑩	-	AB-BD08ML BDHL-QD⑩
	End1: (H) MF End2: (H) MF	-	AB-BBD06HL BBDHL-QF⑩	-	AB-BD07HL BDHL-QD⑩	AB-BD08HL BDHL-QD⑩
	End1: (M) MM End2: (F) FF	AB-BBD06ML BBDFF-QF⑩	-	AB-BD07ML BDFF-QD⑩	-	AB-BD08ML BDFF-QD⑩
	End1: (M) MM End2: (B) FM	AB-BBD06ML BBDL-QF⑩	-	AB-BD07ML BDL-QD⑩	-	AB-BD08ML BDL-QD⑩
	End1: (H) MF End2: (B) FM	-	AB-BBD06HL BBDL-QF⑩	-	AB-BD07HL BDL-QD⑩	AB-BD08HL BDL-QD⑩

STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)						
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF						
	End1: (M) MM End2: (F) FF	AB-BBD06ML BBDFF-QF⑩	-	AB-BD07ML BDFF-QF⑩	-	AB-BD08ML BDFF-QD⑩
	End1: (M) MM End2: (B) FM	AB-BBD06ML BBDL-QF⑩	-	AB-BD07ML BDL-QF⑩	-	AB-BD08ML BDL-QD⑩
	End1: (H) MF End2: (B) FM	-	AB-BBD06HL BBDL-QF⑩	-	AB-BD07HL BDL-QD⑩	AB-BD08HL BDL-QD⑩

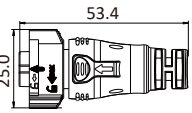
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)	2			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

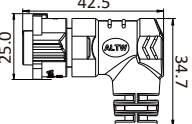
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-02AFFM-QL8D ⑪	BD-02AFMM-QL8D ⑪	BB-02AFFM-QL8D ⑪	BB-02AFMM-QL8D ⑪
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-02AFFM-QL8E ⑪	BB-02AFMM-QL8E ⑪
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-02AFFM-QL8K ⑪	BB-02AFMM-QL8K ⑪
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02AFFM-QL8L ⑪	BB-02AFMM-QL8L ⑪

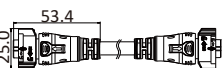
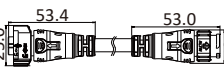
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-02AFFM-QR8D ⑪	BD-02AFMM-QR8D ⑪	BB-02AFFM-QR8D ⑪	BB-02AFMM-QR8D ⑪
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-02AFFM-QR8E ⑪	BB-02AFMM-QR8E ⑪
	SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-02AFFM-QR8K ⑪	BB-02AFMM-QR8K ⑪
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-02AFFM-QR8L ⑪	BB-02AFMM-QR8L ⑪

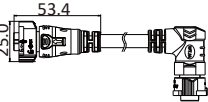
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-BD02FL-BDFL-QD ⑩	-	AB-BB02FL-BBFL-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-BD02FL-BDBL-QD ⑩	-	AB-BB02FL-BBBL-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD02BL-BDBL-QD ⑩	-	AB-BB02BL-BBBL-QD ⑩
	End1: (F) FF End2: (H) MF	AB-BD02FL-BDHL-QD ⑩	-	AB-BB02FL-BBHL-QD ⑩	-

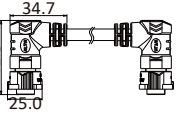
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

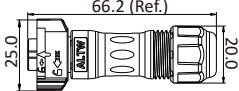
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD02FL-BDFR-QD ⑩	-	AB-BB02FL-BBFR-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-BD02FL-BDBR-QD ⑩	-	AB-BB02FL-BBBR-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD02BL-BDBR-QD ⑩	-	AB-BB02BL-BBBR-QD ⑩

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

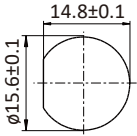
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD02FR-BDFR-QD ⑩	-	AB-BB02FR-BBFR-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-BD02FR-BDBR-QD ⑩	-	AB-BB02FR-BBBR-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD02BR-BDBR-QD ⑩	-	AB-BB02BR-BBBR-QD ⑩

No of Contacts	2					
Rated Voltage (AC/DC)	30 ~ 600V					
Nominal Current	5A			10A		
Plastic / Metal	Plastic			Plastic		
Pin Assignment	FF	FM	FF	FM	FF	FM
FF: Female Connector Female Contact FM: Female Connector Male Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-02BFFG-QL8AP0*	BD-02BFMG-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-02BFFG-QL8SP0*	BD-02BFMG-QL8SP0*	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02BFFG-QL8SP0*	BD-02BFMG-QL8SP0*	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02BFFG-QL8LP0*	BD-02BFMG-QL8LP0*	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02BFFG-QL8APP*	BB-02BFMG-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02BFFG-QL8SPP*	BB-02BFMG-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02BFFG-QL8MPP*	BB-02BFMG-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02BFFG-QL8LPP*	BB-02BFMG-QL8LPP*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-02BFFB-QL8AP0*	BD-02BFMB-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-02BFFB-QL8SP0*	BD-02BFMB-QL8SP0*	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02BFFB-QL8SP0*	BD-02BFMB-QL8SP0*	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02BFFB-QL8LP0*	BD-02BFMB-QL8LP0*	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02BFFB-QL8APP*	BB-02BFMB-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02BFFB-QL8SPP*	BB-02BFMB-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02BFFB-QL8MPP*	BB-02BFMB-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02BFFB-QL8LPP*	BB-02BFMB-QL8LPP*
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02BFFE-QL8APP*	BB-02BFME-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-02BFFE-QL8SPP*	BB-02BFME-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02BFFE-QL8MPP*	BB-02BFME-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02BFFE-QL8LPP*	BB-02BFME-QL8LPP*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-02BFFA-QL8AP0	BD-02BFMA-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-02BFFA-QL8SP0	BD-02BFMA-QL8SP0	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-02BFFA-QL8SP0	BD-02BFMA-QL8SP0	-	-
		8.1 ~ 10.0mm Blue Seal	BD-02BFFA-QL8LP0	BD-02BFMA-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-02BFFA-QL8APP	BB-02BFMA-QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-02BFFA-QL8SPP	BB-02BFMA-QL8SPP
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-02BFFA-QL8MPP	BB-02BFMA-QL8MPP
		8.1 ~ 10.0mm Blue Seal	-	-	BB-02BFFA-QL8LPP	BB-02BFMA-QL8LPP

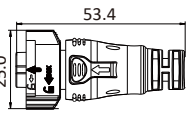
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)	3			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

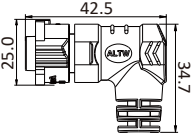
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-03AFFM-QL8D⑪	BD-03AFMM-QL8D⑪	BB-03AFFM-QL8D⑪	BB-03AFMM-QL8D⑪
	UL SJTW, PVC Jacket (For Power Group)	BD-03AFFM-QL8E⑪	BD-03AFMM-QL8E⑪	BB-03AFFM-QL8E⑪	BB-03AFMM-QL8E⑪
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-03AFFM-QL8K⑪	BB-03AFMM-QL8K⑪
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03AFFM-QL8L⑪	BB-03AFMM-QL8L⑪

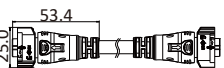
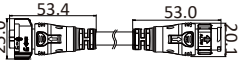
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-03AFFM-QR8D⑪	BD-03AFMM-QR8D⑪	BB-03AFFM-QR8D⑪	BB-03AFMM-QR8D⑪
	UL SJTW, PVC Jacket (For Power Group)	BD-03AFFM-QR8E⑪	BD-03AFMM-QR8E⑪	BB-03AFFM-QR8E⑪	BB-03AFMM-QR8E⑪
	SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-03AFFM-QR8K⑪	BB-03AFMM-QR8K⑪
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-03AFFM-QR8L⑪	BB-03AFMM-QR8L⑪

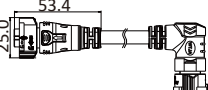
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-BD03FL-BDFL-QD⑩	-	AB-BB03FL-BBFL-QD⑩	-
	End1: (F) FF End2: (B) FM	AB-BD03FL-BDBL-QD⑩	-	AB-BB03FL-BBBL-QD⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD03BL-BDBL-QD⑩	-	AB-BB03BL-BBBL-QD⑩
	End1: (F) FF End2: (H) MF	AB-BD03FL-BDHL-QD⑩	-	AB-BB03FL-BBHL-QD⑩	-

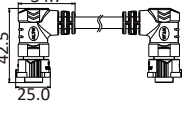
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

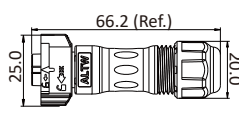
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD03FL-BDFR-QD⑩	-	AB-BB03FL-BBFR-QD⑩	-
	End1: (F) FF End2: (B) FM	AB-BD03FL-BDBR-QD⑩	-	AB-BB03FL-BBBR-QD⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD03BL-BDBR-QD⑩	-	AB-BB03BL-BBBR-QD⑩

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

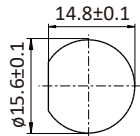
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD03FR-BDFR-QD⑩	-	AB-BB03FR-BBFR-QD⑩	-
	End1: (F) FF End2: (B) FM	AB-BD03FR-BDBR-QD⑩	-	AB-BB03FR-BBBR-QD⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD03BR-BDBR-QD⑩	-	AB-BB03BR-BBBR-QD⑩

No of Contacts		3				
Rated Voltage (AC/DC)		30 ~ 600V				
Nominal Current		5A		10A		
Plastic / Metal		Plastic		Plastic		
Pin Assignment		FF	FM	FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-03BFFG-QL8AP0*	BD-03BFMG-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-03BFFG-QL8SP0*	BD-03BFMG-QL8SP0*	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03BFFG-QL8SP0*	BD-03BFMG-QL8SP0*	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03BFFG-QL8LP0*	BD-03BFMG-QL8LP0*	-	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03BFFG-QL8APP*	BB-03BFMG-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03BFFG-QL8SPP*	BB-03BFMG-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03BFFG-QL8MPP*	BB-03BFMG-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03BFFG-QL8LPP*	BB-03BFMG-QL8LPP*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-03BFFB-QL8AP0*	BD-03BFMB-QL8AP0*	-	-
		5.0 ~ 6.0mm Red Seal	BD-03BFFB-QL8SP0*	BD-03BFMB-QL8SP0*	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03BFFB-QL8SP0*	BD-03BFMB-QL8SP0*	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03BFFB-QL8LP0*	BD-03BFMB-QL8LP0*	-	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03BFFB-QL8APP*	BB-03BFMB-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03BFFB-QL8SPP*	BB-03BFMB-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03BFFB-QL8MPP*	BB-03BFMB-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03BFFB-QL8LPP*	BB-03BFMB-QL8LPP*
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03BFFE-QL8APP*	BB-03BFME-QL8APP*
		5.0 ~ 6.0mm Red Seal	-	-	BB-03BFFE-QL8SPP*	BB-03BFME-QL8SPP*
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03BFFE-QL8MPP*	BB-03BFME-QL8MPP*
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03BFFE-QL8LPP*	BB-03BFME-QL8LPP*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-03BFFA-QL8AP0	BD-03BFMA-QL8AP0	-	-
		5.0 ~ 6.0mm Red Seal	BD-03BFFA-QL8SP0	BD-03BFMA-QL8SP0	-	-
		6.1 ~ 8.0mm Yellow Seal	BD-03BFFA-QL8SP0	BD-03BFMA-QL8SP0	-	-
		8.1 ~ 10.0mm Blue Seal	BD-03BFFA-QL8LP0	BD-03BFMA-QL8LP0	-	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-03BFFA-QL8APP	BB-03BFMA-QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-03BFFA-QL8SPP	BB-03BFMA-QL8SPP
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-03BFFA-QL8MPP	BB-03BFMA-QL8MPP
		8.1 ~ 10.0mm Blue Seal	-	-	BB-03BFFA-QL8LPP	BB-03BFMA-QL8LPP

*Upon Request

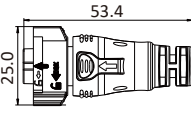
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)
Rated Voltage (AC/DC)	
Nominal Current	
Plastic / Metal	
Pin Assignment	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact	

4			
30 ~ 600V			
5A		10A	
Plastic		Plastic	
FF	FM	FF	FM
			

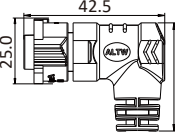
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-04AFFM-QL8D ¹¹	BD-04AFMM-QL8D ¹¹	BB-04AFFM-QL8D ¹¹	BB-04AFMM-QL8D ¹¹
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04AFFM-QL8E ¹¹	-
	SOOW/H07RN-F, CPE Jacket (For Power Group)	-	-	BB-04AFFM-QL8K ¹¹	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04AFFM-QL8L ¹¹	-

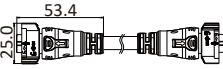
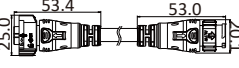
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-04AFFM-QR8D ¹¹	BD-04AFMM-QR8D ¹¹	BB-04AFFM-QR8D ¹¹	BB-04AFMM-QR8D ¹¹
	UL SJTW, PVC Jacket (For Power Group)	-	-	BB-04AFFM-QR8E ¹¹	-
	SOOW/H07RN-F, Rubber Jacket (For Power Group)	-	-	BB-04AFFM-QR8K ¹¹	-
	UL21409, XL-PE Jacket (LSZH, For Power Group)	-	-	BB-04AFFM-QR8L ¹¹	-

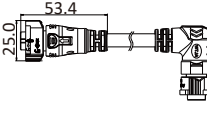
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-BD04FL-BDFL-QD ¹⁰	-	AB-BB04FL-BBFL-QD ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-BD04FL-BDBL-QD ¹⁰	-	AB-BB04FL-BBBL-QD ¹⁰	-
	End1: (B) FM End2: (B) FM	-	AB-BD04BL-BDBL-QD ¹⁰	-	AB-BB04BL-BBBL-QD ¹⁰
	End1: (F) FF End2: (H) MF	AB-BD04FL-BDHL-QD ¹⁰	-	AB-BB04FL-BBHL-QD ¹⁰	-

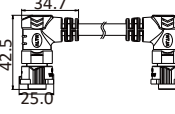
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

	End1: (F) FF End2: (F) FF	AB-BD04FL-BDFR-QD ¹⁰	-	AB-BB04FL-BBFR-QD ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-BD04FL-BDBR-QD ¹⁰	-	AB-BB04FL-BBBR-QD ¹⁰	-
	End1: (B) FM End2: (B) FM	-	AB-BD04BL-BDBR-QD ¹⁰	-	AB-BB04BL-BBBR-QD ¹⁰

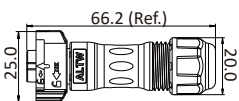
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

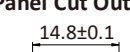
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

	End1: (F) FF End2: (F) FF	AB-BD04FR-BDFR-QD ¹⁰	-	AB-BB04FR-BBFR-QD ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-BD04FR-BDBR-QD ¹⁰	-	AB-BB04FR-BBBR-QD ¹⁰	-
	End1: (B) FM End2: (B) FM	-	AB-BD04BR-BDBR-QD ¹⁰	-	AB-BB04BR-BBBR-QD ¹⁰

*Upon Request

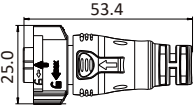
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		4			
Rated Voltage (AC/DC)		30 ~ 600V			
Nominal Current		5A		10A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	
FF : Female Connector Female Contact FM : Female Connector Male Contact					
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-04B FFG - QL8AP0 *	BD-04B FMG - QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B FFG - QL8SP0 *	BD-04B FMG - QL8SP0 *	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B FFG - QL8SP0 *	BD-04B FMG - QL8SP0 *	-
		8.1 ~ 10.0mm Blue Seal	BD-04B FFG - QL8LP0 *	BD-04B FMG - QL8LP0 *	-
	Solder Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B FFG - QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B FFG - QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B FFG - QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B FFG - QL8LPP *
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-04B FFB - QL8AP0 *	BD-04B FMB - QL8AP0 *	-
		5.0 ~ 6.0mm Red Seal	BD-04B FFB - QL8SP0 *	BD-04B FMB - QL8SP0 *	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B FFB - QL8SP0 *	BD-04B FMB - QL8SP0 *	-
		8.1 ~ 10.0mm Blue Seal	BD-04B FFB - QL8LP0 *	BD-04B FMB - QL8LP0 *	-
	Screw-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B FFB - QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B FFB - QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B FFB - QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B FFB - QL8LPP *
	Push-in Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B FFE - QL8APP *
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B FFE - QL8SPP *
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B FFE - QL8MPP *
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B FFE - QL8LPP *
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-04B FFA - QL8AP0	BD-04B FMA - QL8AP0	-
		5.0 ~ 6.0mm Red Seal	BD-04B FFA - QL8SP0	BD-04B FMA - QL8SP0	-
		6.1 ~ 8.0mm Yellow Seal	BD-04B FFA - QL8SP0	BD-04B FMA - QL8SP0	-
		8.1 ~ 10.0mm Blue Seal	BD-04B FFA - QL8LP0	BD-04B FMA - QL8LP0	-
	Crimp Type, For Power Group, Connector With Contacts	All Seals	-	-	BB-04B FFA - QL8APP
		5.0 ~ 6.0mm Red Seal	-	-	BB-04B FFA - QL8SPP
		6.1 ~ 8.0mm Yellow Seal	-	-	BB-04B FFA - QL8MPP
		8.1 ~ 10.0mm Blue Seal	-	-	BB-04B FFA - QL8LPP

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)	5		6	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		5A		5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

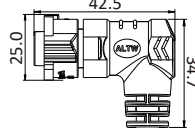
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-05AFFM-QL8D⑪	BD-05AFMM-QL8D⑪	BD-06AFFM-QL8D⑪	BD-06AFMM-QL8D⑪

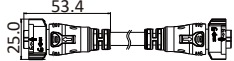
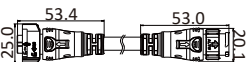
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-05AFFM-QR8D⑪	BD-05AFMM-QR8D⑪	BD-06AFFM-QR8D⑪	BD-06AFMM-QR8D⑪

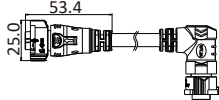
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-BD04FL-BD FL-QD⑩	-	AB-BD06FL-BD FL-QD⑩	-
	End1: (F) FF End2: (B) FM	AB-BD04FL-BD BL-QD⑩	-	AB-BD06FL-BD BL-QD⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD04BL-BD BL-QD⑩	-	AB-BD06BL-BD BL-QD⑩
	End1: (F) FF End2: (H) MF	AB-BD04FL-BD HL-QD⑩	-	AB-BD06FL-BD HL-QD⑩	-

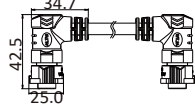
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

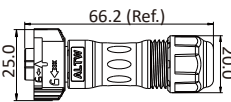
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	-	-	AB-BD06FL-BD FR-QD⑩	-
	End1: (F) FF End2: (B) FM	-	-	AB-BD06FL-BD BR-QD⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-BD06BL-BD BR-QD⑩

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

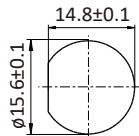
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD05FR-BD FR-QD⑩	-	AB-BD06FR-BD FR-QD⑩	-
	End1: (F) FF End2: (B) FM	AB-BD05FR-BD BR-QD⑩	-	AB-BD06FR-BD BR-QD⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BD05BR-BD BR-QD⑩	-	AB-BD06BR-BD BR-QD⑩

No of Contacts		5		6		
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V		
Nominal Current		5A		5A		
Plastic / Metal		Plastic		Plastic		
Pin Assignment		FF	FM	FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-05BFFG-QL8AP0	BD-05BFMG-QL8AP0*	BD-06BFFG-QL8AP0*	BD-06BFMG-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BFFG-QL8SP0	BD-05BFMG-QL8SP0*	BD-06BFFG-QL8SP0*	BD-06BFMG-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-05BFFG-QL8SP0	BD-05BFMG-QL8SP0*	BD-06BFFG-QL8SP0*	BD-06BFMG-QL8SP0*
		8.1 ~ 10.0mm Blue Seal	BD-05BFFG-QL8LP0	BD-05BFMG-QL8LP0*	BD-06BFFG-QL8LP0*	BD-06BFMG-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-05BFFB-QL8AP0*	BD-05BFMB-QL8AP0*	BD-06BFFB-QL8AP0*	BD-06BFMB-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-05BFFB-QL8SP0*	BD-05BFMB-QL8SP0*	BD-06BFFB-QL8SP0*	BD-06BFMB-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-05BFFB-QL8SP0*	BD-05BFMB-QL8SP0*	BD-06BFFB-QL8SP0*	BD-06BFMB-QL8SP0*
		8.1 ~ 10.0mm Blue Seal	BD-05BFFB-QL8LP0*	BD-05BFMB-QL8LP0*	BD-06BFFB-QL8LP0*	BD-06BFMB-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-05BFFA-QL8AP0	BD-05BFMA-QL8AP0	BD-06BFFA-QL8AP0	BD-06BFMA-QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-05BFFA-QL8SP0	BD-05BFMA-QL8SP0	BD-06BFFA-QL8SP0	BD-06BFMA-QL8SP0
		6.1 ~ 8.0mm Yellow Seal	BD-05BFFA-QL8SP0	BD-05BFMA-QL8SP0	BD-06BFFA-QL8SP0	BD-06BFMA-QL8SP0
		8.1 ~ 10.0mm Blue Seal	BD-05BFFA-QL8LP0	BD-05BFMA-QL8LP0	BD-06BFFA-QL8LP0	BD-06BFMA-QL8LP0

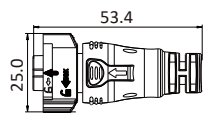
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Backshell (D Cut) (Unit: mm)	7	8
Rated Voltage (AC/DC)		30 ~ 600V	30 ~ 600V
Nominal Current		5A	5A
Plastic / Metal		Plastic	Plastic
Pin Assignment		FF	FF
FF: Female Connector Female Contact			

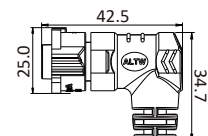
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-07AFFM-QL8D⑪	BD-08AFFM-QL8D⑪
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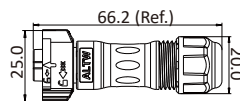
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	BD-07AFFM-QR8D⑪	BD-08AFFM-QR8D⑪
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Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts

	Solder Type, For Data Group, Connector With Contacts	All Seals	BD-07BFFG-QL8AP0*	BD-08BFFG-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-07BFFG-QL8SP0*	BD-08BFFG-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-07BFFG-QL8SP0*	BD-08BFFG-QL8SP0*
		8.1 ~ 10.0mm Blue Seal	BD-07BFFG-QL8LP0*	BD-08BFFG-QL8LP0*
	Screw-in Type, For Data Group, Connector With Contacts	All Seals	BD-07BFFB-QL8AP0*	BD-08BFFB-QL8AP0*
		5.0 ~ 6.0mm Red Seal	BD-07BFFB-QL8SP0*	BD-08BFFB-QL8SP0*
		6.1 ~ 8.0mm Yellow Seal	BD-07BFFB-QL8SP0*	BD-08BFFB-QL8SP0*
		8.1 ~ 10.0mm Blue Seal	BD-07BFFB-QL8LP0*	BD-08BFFB-QL8LP0*
	Crimp Type, For Data Group, Connector With Contacts	All Seals	BD-07BFFA-QL8AP0	BD-08BFFA-QL8AP0
		5.0 ~ 6.0mm Red Seal	BD-07BFFA-QL8SP0	BD-08BFFA-QL8SP0
		6.1 ~ 8.0mm Yellow Seal	BD-07BFFA-QL8SP0	BD-08BFFA-QL8SP0
		8.1 ~ 10.0mm Blue Seal	BD-07BFFA-QL8LP0	BD-08BFFA-QL8LP0

No of Contacts	7	8
Rated Voltage (AC/DC)	30 ~ 600V	30 ~ 600V
Nominal Current	5A	5A
Plastic / Metal	Plastic	Plastic
Pin Assignment	MM/FF	MM/FF
MM : Male Connector Male Contact		
FF : Female Connector Female Contact		
MF : Male Connector Female Contact		
FM : Female Connector Male Contact		

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-BD07FL-BD FL-QD 10	-	AB-BD08FL-BD FL-QD 10	-
	End1: (F) FF End2: (B) FM	AB-BD07FL-BD BL-QD 10	-	AB-BD08FL-BD BL-QD 10	-
	End1: (B) FM End2: (B) FM	-	AB-BD07BL-BD BL-QD 10	-	AB-BD08BL-BD BL-QD 10
	End1: (F) FF End2: (H) MF	AB-BD07FL-BD HL-QD 10	-	AB-BD08FL-BD HL-QD 10	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD07FL-BD FR-QD 10	-	AB-BD08FL-BD FR-QD 10	-
	End1: (F) FF End2: (B) FM	AB-BD07FL-BD BR-QD 10	-	AB-BD08FL-BD BR-QD 10	-
	End1: (B) FM End2: (B) FM	-	AB-BD07BL-BD BR-QD 10	-	AB-BD08BL-BD BR-QD 10

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-BD07FR-BD FR-QD 10	-	AB-BD08FR-BD FR-QD 10	-
	End1: (F) FF End2: (B) FM	AB-BD07FR-BD BR-QD 10	-	AB-BD08FR-BD BR-QD 10	-
	End1: (B) FM End2: (B) FM	-	AB-BD07BR-BD BR-QD 10	-	AB-BD08BR-BD BR-QD 10

No of Contacts	3 (2+1)		4 (2+2)		5 (2+3)	
Rated Voltage (AC/DC)	30 ~ 600V		30 ~ 600V		30 ~ 600V	
Nominal Current	10A+5A		10A+5A		10A+5A	
Plastic / Metal	Plastic		Plastic		Plastic	
Pin Assignment	FF	FM	FF	FM	FF	FM
FF : Female Connector Female Contact FM : Female Connector Male Contact						

STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21996, PVC Jacket (For Hybrid Group)	BBD-03AFF M-QL8F 11	BBD-03AFM M-QL8F 11	BBD-04AFF M-QL8F 11	BBD-04AFM M-QL8F 11	BBD-05AFF M-QL8F 11	BBD-05AFM M-QL8F 11

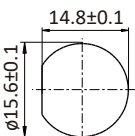
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾

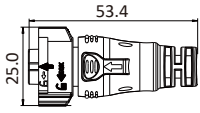
	UL21996, PVC Jacket (For Hybrid Group)	BBD-03AFF M-QR8F 11	BBD-03AFM M-QR8F 11	BBD-04AFF M-QR8F 11	BBD-04AFM M-QR8F 11	BBD-05AFF M-QR8F 11	BBD-05AFM M-QR8F 11

*Upon Request

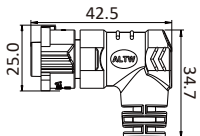
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out  Circular Flange (D Cut) (Unit: mm)	6 (2+4)	
Rated Voltage (AC/DC)		30 ~ 600V	
Nominal Current		10A+5A	
Plastic / Metal		Plastic	
Pin Assignment		FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			

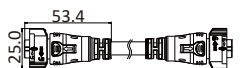
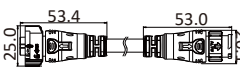
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			

	UL2196, PVC Jacket (For Hybrid Group)	BBD-06A FF M-QL8F ⑪	BBD-06A FM M-QL8F ⑪
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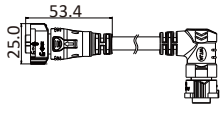
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			

	UL2196, PVC Jacket (For Hybrid Group)	BBD-06A FF M-QR8F ⑪	BBD-06A FM M-QR8F ⑪
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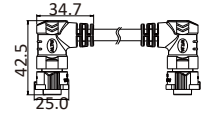
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			

	End1: (F) FF End2: (F) FF	AB-BBD06 FL -BBD FL -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-BBD06 FL -BBD BL -QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BBD06 BL -BBD BL -QF ⑩
	End1: (F) FF End2: (H) MF	AB-BBD06 FL -BBD HL -QF ⑩	-

STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			

	End1: (F) FF End2: (F) FF	AB-BBD06 FL -BBD FR -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-BBD06 FL -BBD BR -QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BBD06 BL -BBD BR -QF ⑩

RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			

	End1: (F) FF End2: (F) FF	AB-BBD06 FR -BBD FR -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-BBD06 FR -BBD B R-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-BBD06 BR -BBD BR -QF ⑩

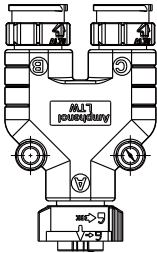
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

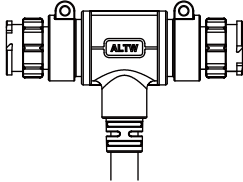
Customization - Upon Request



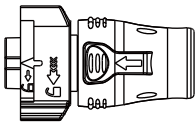
I Adaptor



Y Adaptor

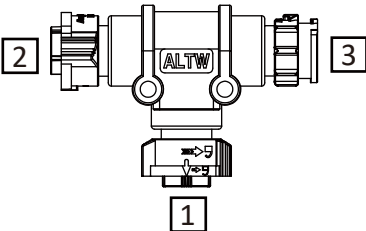


T Cable



Terminator

T Adaptor



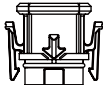
1 Current Rating:
(BD) 5A*
(BB) 10A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

*Upon Request

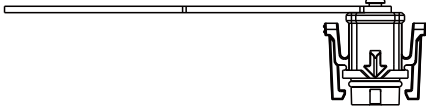
Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
10A (BB)	02, 03	Push Lock	AB-BB-222-BBH-TQ001	AB-1-222-567-TQ001

Waterproof Cap

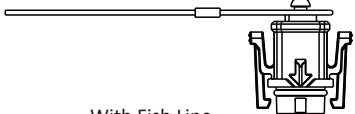
For Mating With Male



None



With Rubber Lead

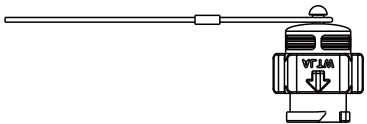


With Fish Line

For Mating With Female



None



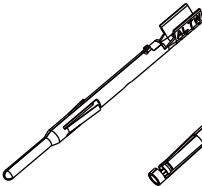
With Fish Line

More to choose:

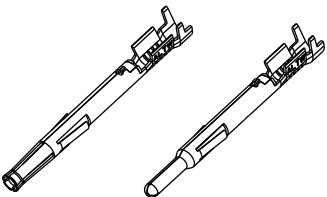
3 None (MA) / With Rubber Lead (PC)
4 None (MA) / With Fish Line (CD)
5 None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
B Size	Receptacle	Male	Push Lock	CAP-WABMQ3 1
	Overmolded with Cable	Female		CAP-WABFQ4 1
		Male		CAP-WABMQM5 1

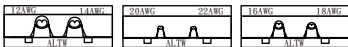
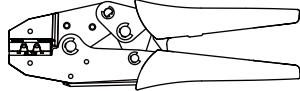
Contacts & Crimp Tool



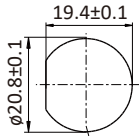
5A



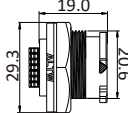
10A/20A



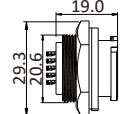
Crimp Tool

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	2		3	
Rated Voltage (AC/DC)		300 ~ 600V		300 ~ 600V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

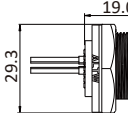
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	Solder Type	CC-02PMMS-QC800P	CC-02PMFS-QC800P	CC-03PMMS-QC800P	CC-03PMFS-QC800P
	180° PCB Type	CC-02PMMP-QC800P*	CC-02PMFP-QC800P*	CC-03PMMS-QC800P*	CC-03PMFP-QC800P*

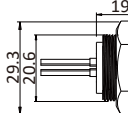
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	CC-02RMMS-QC800P	CC-02RMFS-QC800P	CC-03RMMS-QC800P	CC-03RMFS-QC800P
	180° PCB Type	CC-02RMMP-QC800P*	CC-02RMFP-QC800P*	CC-03RMMS-QC800P*	CC-03RMFP-QC800P*

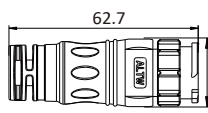
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1015, PVC Jacket	CC-02PMMS-QC8B ¹¹ *	CC-02PMFS-QC8B ¹¹ *	CC-03PMMS-QC8B ¹¹ *	CC-03PMFS-QC8B ¹¹ *

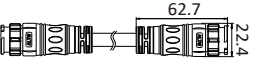
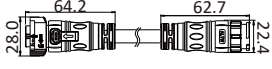
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1015, PVC Jacket	CC-02RMMS-QC8B ¹¹ *	CC-02RMFS-QC8B ¹¹ *	CC-03RMMS-QC8B ¹¹ *	CC-03RMFS-QC8B ¹¹ *

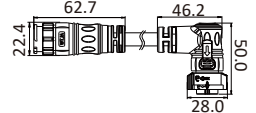
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹

	UL SJTW, PVC Jacket (For Power Group)	CC-02AMMM-QL8E ¹¹	CC-02AMFM-QL8E ¹¹	CC-03AMMM-QL8E ¹¹	CC-03AMFM-QL8E ¹¹

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹¹ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (M) MM End2: (M) MM	AB-CC02ML-CCML-QE ¹⁰	-	AB-CC03ML-CCML-QE ¹⁰	-
	End1: (M) MM End2: (H) MF	AB-CC02ML-CCHL-QE ¹⁰	-	AB-CC03ML-CCHL-QE ¹⁰	-
	End1: (H) MF End2: (H) MF	-	AB-CC02HL-CCHL-QE ¹⁰	-	AB-CC03HL-CCHL-QE ¹⁰
	End1: (M) MM End2: (F) FF	AB-CC02ML-CCFL-QE ¹⁰	-	AB-CC03ML-CCFL-QE ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-CC02ML-CCBL-QE ¹⁰	-	AB-CC03ML-CCBL-QE ¹⁰	-
	End1: (H) MF End2: (B) FM	-	AB-CC02HL-CCBL-QE ¹⁰	-	AB-CC03HL-CCBL-QE ¹⁰

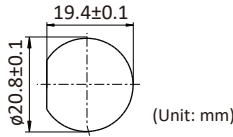
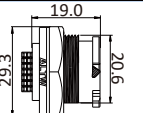
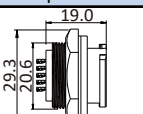
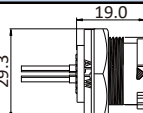
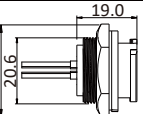
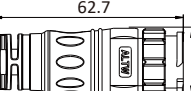
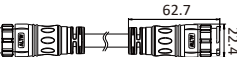
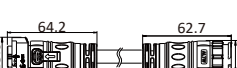
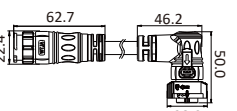
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹¹ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (M) MM End2: (F) FF	AB-CC02ML-CCFR-QE ¹⁰	-	AB-CC03ML-CCFR-QE ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-CC02ML-CCBR-QE ¹⁰	-	AB-CC03ML-CCBR-QE ¹⁰	-
	End1: (H) MF End2: (B) FM	-	AB-CC02HL-CCBR-QE ¹⁰	-	AB-CC03HL-CCBR-QE ¹⁰

No of Contacts			2		3	
Rated Voltage (AC/DC)			300 ~ 600V		300 ~ 600V	
Nominal Current			20A		20A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment			MM	MF	MM	MF
MM: Male Connector Male Contact MF: Male Connector Female Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:						
Connector With Contacts						
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BMMG-QL8APP*	CC-02BMFG-QL8APP*	CC-03BMMG-QL8APP*	CC-03BMFG-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02BMMG-QL8SPP*	CC-02BMFG-QL8SPP*	CC-03BMMG-QL8SPP*	CC-03BMFG-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02BMMG-QL8MPP*	CC-02BMFG-QL8MPP*	CC-03BMMG-QL8MPP*	CC-03BMFG-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02BMMG-QL8LPP*	CC-02BMFG-QL8LPP*	CC-03BMMG-QL8LPP*	CC-03BMFG-QL8LPP*
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BMMB-QL8APP	CC-02BMFB-QL8APP	CC-03BMMB-QL8APP	CC-03BMFB-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02BMMB-QL8SPP	CC-02BMFB-QL8SPP	CC-03BMMB-QL8SPP	CC-03BMFB-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02BMMB-QL8MPP	CC-02BMFB-QL8MPP	CC-03BMMB-QL8MPP	CC-03BMFB-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02BMMB-QL8LPP	CC-02BMFB-QL8LPP	CC-03BMMB-QL8LPP	CC-03BMFB-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BMME-QL8APP*	CC-02BMFE-QL8APP*	CC-03BMME-QL8APP*	CC-03BMFE-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02BMME-QL8SPP*	CC-02BMFE-QL8SPP*	CC-03BMME-QL8SPP*	CC-03BMFE-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02BMME-QL8MPP*	CC-02BMFE-QL8MPP*	CC-03BMME-QL8MPP*	CC-03BMFE-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02BMME-QL8LPP*	CC-02BMFE-QL8LPP*	CC-03BMME-QL8LPP*	CC-03BMFE-QL8LPP*
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BMMA-QL8APP	CC-02BMFA-QL8APP	CC-03BMMA-QL8APP	CC-03BMFA-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02BMMA-QL8SPP	CC-02BMFA-QL8SPP	CC-03BMMA-QL8SPP	CC-03BMFA-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02BMMA-QL8MPP	CC-02BMFA-QL8MPP	CC-03BMMA-QL8MPP	CC-03BMFA-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02BMMA-QL8LPP	CC-02BMFA-QL8LPP	CC-03BMMA-QL8LPP	CC-03BMFA-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	CC-02BMMA-QL8ANP	CC-02BMFA-QL8ANP	CC-03BMMA-QL8ANP	CC-03BMFA-QL8ANP
		6.0 ~ 8.0mm Red Seal	CC-02BMMA-QL8SNP	CC-02BMFA-QL8SNP	CC-03BMMA-QL8SNP	CC-03BMFA-QL8SNP
		8.0 ~ 10.0mm Yellow Seal	CC-02BMMA-QL8MNP	CC-02BMFA-QL8MNP	CC-03BMMA-QL8MNP	CC-03BMFA-QL8MNP
		10.0 ~ 12.0mm Blue Seal	CC-02BMMA-QL8LNP	CC-02BMFA-QL8LNP	CC-03BMMA-QL8LNP	CC-03BMFA-QL8LNP

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

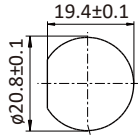
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4		4 (3+1)	
Rated Voltage (AC/DC)		300 ~ 600V		300 ~ 600V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	Solder Type	CB-04PMM S -QC8001	CB-04PMF S -QC8001	CBD-04PMM S -QC8001	CBD-04PMF S -QC8001
	180° PCB Type	CB-04PMM P -QC8001 *	CB-04PMF P -QC8001 *	CBD-04PMM P -QC8001 *	CBD-04PMF P -QC8001 *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	Solder Type	CB-04RMM S -QC8001	CB-04RMF S -QC8001	CBD-04RMM S -QC8001	CBD-04RMF S -QC8001
	180° PCB Type	CB-04RMM P -QC8001 *	CB-04RMF P -QC8001 *	CBD-04RMM P -QC8001 *	CBD-04RMF P -QC8001 *
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-04PMM S -QC8A 11 *	CB-04PMF S -QC8A 11 *	CBD-04PMM S -QC8A 11 *	CBD-04PMF S -QC8A 11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm					
	UL1430, XL-PVC Jacket	CB-04RMM S -QC8A 11 *	CB-04RMF S -QC8A 11 *	CBD-04RMM S -QC8A 11 *	CBD-04RMF S -QC8A 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	CB-04AMMM-QL8D 11	CB-04AMFM-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04AMMM-QL8F 11	CBD-04AMFM-QL8F 11
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (M) MM End2: (M) MM	AB-CB04 ML -CB ML -QD 10	-	AB-CBD04 ML -CBD ML -QF 10	-
	End1: (M) MM End2: (H) MF	AB-CB04 ML -CB HL -QD 10	-	AB-CBD04 ML -CBD HL -QF 10	-
	End1: (H) MF End2: (H) MF	-	AB-CB04 HL -CB HL -QD 10	-	AB-CBD04 HL -CBD HL -QF 10
	End1: (M) MM End2: (F) FF	AB-CB04 ML -CB FL -QD 10	-	AB-CBD04 ML -CBD FL -QF 10	-
	End1: (M) MM End2: (B) FM	AB-CB04 ML -CB BL -QD 10	-	AB-CBD04 ML -CBD BL -QF 10	-
	End1: (H) MF End2: (B) FM	-	AB-CB04 HL -CB BL -QD 10	-	AB-CBD04 HL -CBD BL -QF 10
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (M) MM End2: (F) FF	AB-CB04 ML -CB FR -QD 10	-	AB-CBD04 ML -CBD FR -QF 10	-
	End1: (M) MM End2: (B) FM	AB-CB04 ML -CB BR -QD 10	-	AB-CBD04 ML -CBD BR -QF 10	-
	End1: (H) MF End2: (B) FM	-	AB-CB04 HL -CB BR -QD 10	-	AB-CBD04 HL -CBD BR -QF 10

No of Contacts	4	
Rated Voltage (AC/DC)	300 ~ 600V	
Nominal Current	10A	
Plastic / Metal	Plastic	
Pin Assignment	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact		

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option:
Connector With Contacts

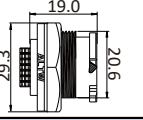
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B MM G-QL8AP0 *	CB-04B MF G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B MM G-QL8SP0 *	CB-04B MF G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B MM G-QL8MP0 *	CB-04B MF G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B MM G-QL8LP0 *	CB-04B MF G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B MM B-QL8AP0 *	CB-04B MF B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B MM B-QL8SP0 *	CB-04B MF B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B MM B-QL8MP0 *	CB-04B MF B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B MM B-QL8LP0 *	CB-04B MF B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B MM E-QL8AP0 *	CB-04B MF E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-04B MM E-QL8SP0 *	CB-04B MF E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-04B MM E-QL8MP0 *	CB-04B MF E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-04B MM E-QL8LP0 *	CB-04B MF E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B MM A-QL8AP0	CB-04B MF A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B MM A-QL8SP0	CB-04B MF A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B MM A-QL8MP0	CB-04B MF A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B MM A-QL8LP0	CB-04B MF A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-04B MM A-QL8AN0	CB-04B MF A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-04B MM A-QL8SN0	CB-04B MF A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-04B MM A-QL8MN0	CB-04B MF A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-04B MM A-QL8LN0	CB-04B MF A-QL8LN0

*Upon Request
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	5	5 (3+2)
Rated Voltage (AC/DC)		300 ~ 600V	300 ~ 600V
Nominal Current		10A	10A+5A
Plastic / Metal		Plastic	Plastic
Pin Assignment		MMMF	MMMF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			

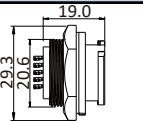
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	Solder Type	CB-05P MM S-QC8001	CB-05P MF S-QC8001	CBD-05P MM S-QC8001	CBD-05P MF S-QC8001
	180° PCB Type	CB-05P MM P-QC8001 *	CB-05P MF P-QC8001 *	CBD-05P MM P-QC8001 *	CBD-05P MF P-QC8001 *

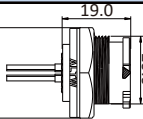
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	CB-05R MM S-QC8001	CB-05R MF S-QC8001	CBD-05R MM S-QC8001	CBD-05R MF S-QC8001
	180° PCB Type	CB-05R MM P-QC8001 *	CB-05R MF P-QC8001 *	CBD-05R MM P-QC8001 *	CBD-05R MF P-QC8001 *

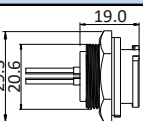
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CB-05P MM S-QC8A 11 *	CB-05P MM S-QC8A 11 *	CBD-05P MM S-QC8A 11 *	CBD-05P MM S-QC8A 11 *
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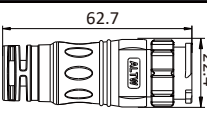
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CB-05R MM S-QC8A 11 *	CB-05R MF S-QC8A 11 *	CBD-05R MM S-QC8A 11 *	CBD-05R MF S-QC8A 11 *
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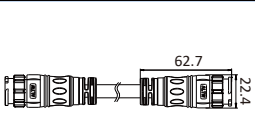
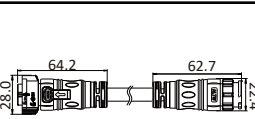
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

11 Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-05A MM M-QL8D 11	CB-05A MF M-QL8D 11	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05A MM M-QL8F 11	CBD-05A MF M-QL8F 11

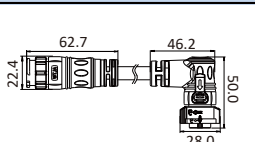
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

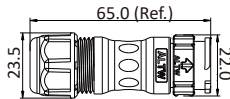
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (M) MM End2: (M) MM	AB-CB05 ML -CB ML -QD 10	-	AB-CBD05 ML -CBD ML -QF 10	-
	End1: (M) MM End2: (H) MF	AB-CB05 ML -CB HL -QD 10	-	AB-CBD05 ML -CBD HL -QF 10	-
	End1: (H) MF End2: (H) MF	-	AB-CB05 HL -CB HL -QD 10	-	AB-CBD05 HL -CBD HL -QF 10
	End1: (M) MM End2: (F) FF	AB-CB05 ML -CB FL -QD 10	-	AB-CBD05 ML -CBD FL -QF 10	-
	End1: (M) MM End2: (B) FM	AB-CB05 ML -CB BL -QD 10	-	AB-CBD05 ML -CBD BL -QF 10	-
	End1: (H) MF End2: (B) FM	-	AB-CB05 HL -CB BL -QD 10	-	AB-CBD05 HL -CBD BL -QF 10

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

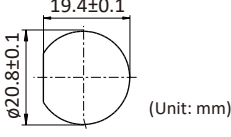
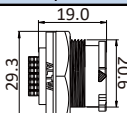
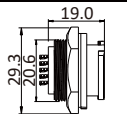
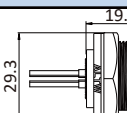
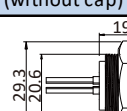
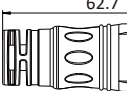
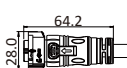
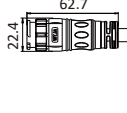
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

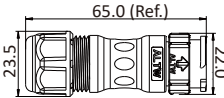
	End1: (M) MM End2: (F) FF	AB-CB05 ML -CB FR -QD 10	-	AB-CBD05 ML -CBD FR -QF 10	-
	End1: (M) MM End2: (B) FM	AB-CB05 ML -CB BR -QD 10	-	AB-CBD05 ML -CBD BR -QF 10	-
	End1: (H) MF End2: (B) FM	-	AB-CB05 HL -CB BR -QD 10	-	AB-CBD05 HL -CBD BR -QF 10

No of Contacts		5		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		10A		
Plastic / Metal		Plastic		
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM		MF
				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:				
Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B MM G -QL8AP0 *	CB-05B MF G -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B MM G -QL8SP0 *	CB-05B MF G -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B MM G -QL8MP0 *	CB-05B MF G -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B MM G -QL8LP0 *	CB-05B MF G -QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B MM B -QL8AP0 *	CB-05B MF B -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B MM B -QL8SP0 *	CB-05B MF B -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B MM B -QL8MP0 *	CB-05B MF B -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B MM B -QL8LP0 *	CB-05B MF B -QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B MM E -QL8AP0 *	CB-05B MF E -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-05B MM E -QL8SP0 *	CB-05B MF E -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-05B MM E -QL8MP0 *	CB-05B MF E -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-05B MM E -QL8LP0 *	CB-05B MF E -QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B MM A -QL8AP0	CB-05B MF A -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B MM A -QL8SP0	CB-05B MF A -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B MM A -QL8MP0	CB-05B MF A -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B MM A -QL8LP0	CB-05B MF A -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-05B MM A -QL8AN0	CB-05B MF A -QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-05B MM A -QL8SN0	CB-05B MF A -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-05B MM A -QL8MN0	CB-05B MF A -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-05B MM A -QL8LN0	CB-05B MF A -QL8LN0

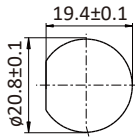
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	6	6 (3+3)	
Rated Voltage (AC/DC)		300 ~ 600V	300 ~ 600V	
Nominal Current		10A	10A+5A	
Plastic / Metal		Plastic	Plastic	
Pin Assignment		MM	MM	MF
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 8 ~ 10 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
	Solder Type	CB-06PMM S -QC8001	CBD-06PMM S -QC8001	CBD-06PMF S -QC8001
	180° PCB Type	CB-06PMM P -QC8001*	CBD-06PMM P -QC8001*	CBD-06PMF P -QC8001*
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm				
	Solder Type	CB-06RMM S -QC8001	CBD-06RMM S -QC8001	CBD-06RMF S -QC8001
	180° PCB Type	CB-06RMM P -QC8001*	CBD-06RMM P -QC8001*	CBD-06RMF P -QC8001*
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
	UL1430, XL-PVC Jacket	CB-06PMM S -QC8A⑪*	CBD-06PMM S -QC8A⑪*	CBD-06PMF S -QC8A⑪*
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 6 ~ 8 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm				
	UL1430, XL-PVC Jacket	CB-06RMM S -QC8A⑪*	CBD-06RMM S -QC8A⑪*	CBD-06RMF S -QC8A⑪*
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21388, PVC Jacket (For Data Group)	CB-06AMM M -QL8D⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06AMM M -QL8F⑪	CBD-06AMF M -QL8F⑪
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF				
	End1: (M) MM End2: (M) MM	AB-CB06 ML -CB ML -QD⑩	AB-CBD06 ML -CBD ML -QF⑩	-
	End1: (M) MM End2: (H) MF	AB-CB06 ML -CB HL -QD⑩	AB-CBD06 ML -CBD HL -QF⑩	-
	End1: (H) MF End2: (H) MF	-	-	AB-CBD06 HL -CBD HL -QF⑩
	End1: (M) MM End2: (F) FF	AB-CB06 ML -CB FL -QD⑩	AB-CBD06 ML -CBD FL -QF⑩	-
	End1: (M) MM End2: (B) FM	AB-CB06 ML -CB BL -QD⑩	AB-CBD06 ML -CBD BL -QF⑩	-
	End1: (H) MF End2: (B) FM	-	-	AB-CBD06 HL -CBD BL -QF⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF				
	End1: (M) MM End2: (F) FF	AB-CB06 ML -CB FR -QD⑩	AB-CBD06 ML -CBD FR -QF⑩	-
	End1: (M) MM End2: (B) FM	AB-CB06 ML -CB BR -QD⑩	AB-CBD06 ML -CBD BR -QF⑩	-
	End1: (H) MF End2: (B) FM	-	-	AB-CBD06 HL -CBD BR -QF⑩

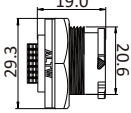
No of Contacts		6	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		10A	
Plastic / Metal		Plastic	
Pin Assignment		MM	
MM : Male Connector Male Contact			
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts			
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B MMG -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-06B MMG -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-06B MMG -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-06B MMG -QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B MMB -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-06B MMB -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-06B MMB -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-06B MMB -QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B MME -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CB-06B MME -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CB-06B MME -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CB-06B MME -QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B MM A -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-06B MM A -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-06B MM A -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-06B MM A -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B MM A -QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-06B MM A -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-06B MM A -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-06B MM A -QL8LN0

*Upon Request
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	7		7 (3+4)	
Rated Voltage (AC/DC)		300 ~ 600V		300 ~ 600V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

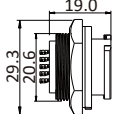
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	Solder Type	CD-07P MM S-QC8001	CD-07P MF S-QC8001	CBD-07P MM S-QC8001	CBD-07P MF S-QC8001
	180° PCB Type	CD-07P MM P-QC8001 *	CD-07P MF P-QC8001 *	CBD-07P MM P-QC8001 *	CBD-07P MF P-QC8001 *

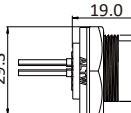
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	CD-07R MM S-QC8001	CD-07R MF S-QC8001	CBD-07R MM S-QC8001	CBD-07R MF S-QC8001
	180° PCB Type	CD-07R MM P-QC8001 *	CD-07R MF P-QC8001 *	CBD-07R MM P-QC8001 *	CBD-07R MF P-QC8001 *

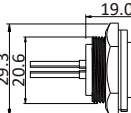
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-07P MM S-QC8A ¹¹ *	CD-07P MF S-QC8A ¹¹ *	CBD-07P MM S-QC8A ¹¹ *	CBD-07P MF S-QC8A ¹¹ *
	180° PCB Type	CD-07P MM P-QC8001 *	CD-07P MF P-QC8001 *	CBD-07P MM P-QC8001 *	CBD-07P MF P-QC8001 *

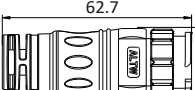
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-07R MM S-QC8A ¹¹ *	CD-07R MF S-QC8A ¹¹ *	CBD-07R MM S-QC8A ¹¹ *	CBD-07R MF S-QC8A ¹¹ *
	180° PCB Type	CD-07R MM P-QC8001 *	CD-07R MF P-QC8001 *	CBD-07R MM P-QC8001 *	CBD-07R MF P-QC8001 *

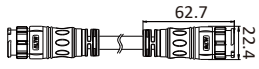
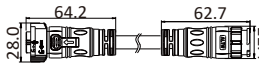
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹¹

	UL21388, PVC Jacket (For Data Group)	CD-07A MM M-QL8D ¹¹	CD-07A MF M-QL8D ¹¹	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07A MM M-QL8F ¹¹	CBD-07A MF M-QL8F ¹¹

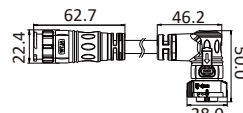
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

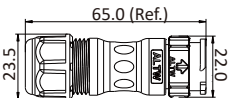
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹¹ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (M) MM End2: (M) MM	AB-CD07 ML -CD ML -QD ¹⁰	-	AB-CBD07 ML -CBD ML -QF ¹⁰	-
	End1: (M) MM End2: (H) MF	AB-CD07 ML -CD HL -QD ¹⁰	-	AB-CBD07 ML -CBD HL -QF ¹⁰	-
	End1: (H) MF End2: (H) MF	-	AB-CD07 HL -CD HL -QD ¹⁰	-	AB-CBD07 HL -CBD HL -QF ¹⁰
	End1: (M) MM End2: (F) FF	AB-CD07 ML -CD FL -QD ¹⁰	-	AB-CBD07 ML -CBD FL -QF ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-CD07 ML -CD BL -QD ¹⁰	-	AB-CBD07 ML -CBD BL -QF ¹⁰	-
	End1: (H) MF End2: (B) FM	-	AB-CD07 HL -CB BL -QD ¹⁰	-	AB-CBD07 HL -CBD BL -QF ¹⁰

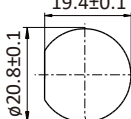
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹¹ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

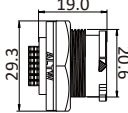
	End1: (M) MM End2: (F) FF	AB-CD07 ML -CD FR -QD ¹⁰	-	AB-CBD07 ML -CBD FR -QD ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-CD07 ML -CD BR -QD ¹⁰	-	AB-CBD07 ML -CBD BR -QD ¹⁰	-
	End1: (H) MF End2: (B) FM	-	AB-CD07 HL -CD BR -QD ¹⁰	-	AB-CBD07 HL -CBD BR -QD ¹⁰

No of Contacts		7		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		5A		
Plastic / Metal		Plastic		
Pin Assignment		MM	MF	
MM : Male Connector Male Contact MF : Male Connector Female Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B MM G-QL8AP0 *	CD-07B MF G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B MM G-QL8SP0 *	CD-07B MF G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B MM G-QL8MP0 *	CD-07B MF G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B MM G-QL8LP0 *	CD-07B MF G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B MM B-QL8AP0 *	CD-07B MF B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B MM B-QL8SP0 *	CD-07B MF B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B MM B-QL8MP0 *	CD-07B MF B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B MM B-QL8LP0 *	CD-07B MF B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B MM E-QL8AP0 *	CD-07B MF E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B MM E-QL8SP0 *	CD-07B MF E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B MM E-QL8MP0 *	CD-07B MF E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B MM E-QL8LP0 *	CD-07B MF E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B MM A-QL8AP0	CD-07B MF A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-07B MM A-QL8SP0	CD-07B MF A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-07B MM A-QL8MP0	CD-07B MF A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-07B MM A-QL8LP0	CD-07B MF A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-07B MM A-QL8AN0	CD-07B MF A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-07B MM A-QL8SN0	CD-07B MF A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-07B MM A-QL8MN0	CD-07B MF A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-07B MM A-QL8LN0	CD-07B MF A-QL8LN0

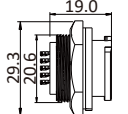
*Upon Request
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	8		8 (3+5)	
Rated Voltage (AC/DC)		300 ~ 600V		300 ~ 600V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact					
FF : Female Connector Female Contact					
MF : Male Connector Female Contact					
FM : Female Connector Male Contact					

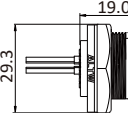
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	Solder Type	CD-08PMM S-QC8001	CD-08PMF S-QC8001	CBD-08PMM S-QC8001	CBD-08PMF S-QC8001
	180° PCB Type	CD-08PMM P-QC8001 *	CD-08PMF P-QC8001 *	CBD-08PMM P-QC8001 *	CBD-08PMF P-QC8001 *

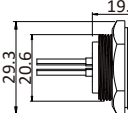
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	CD-08RMM S-QC8001	CD-08RMF S-QC8001	CBD-08RMM S-QC8001	CBD-08RMF S-QC8001
	180° PCB Type	CD-08RMM P-QC8001 *	CD-08RMF P-QC8001 *	CBD-08RMM P-QC8001 *	CBD-08RMF P-QC8001 *

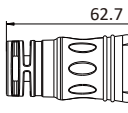
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-08PMM S-QC8A ⑪ *	CD-08PMF S-QC8A ⑪ *	CBD-08PMM S-QC8A ⑪ *	CBD-08PMF S-QC8A ⑪ *
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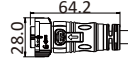
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-08RMM S-QC8A ⑪ *	CD-08RMF S-QC8A ⑪ *	CBD-08RMM S-QC8A ⑪ *	CBD-08RMF S-QC8A ⑪ *
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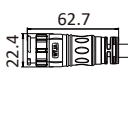
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

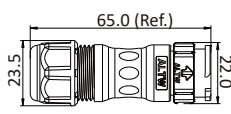
	UL21388, PVC Jacket (For Data Group)	CD-08AMM M-QL8D ⑪	CD-08AMF M-QL8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08AMM M-QL8F ⑪	CBD-08AMF M-QL8F ⑪

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (M) MM	AB-CD08ML-CDML-QD ⑩	-	AB-CBD08ML-CBDML-QF ⑩	-
	End1: (M) MM End2: (H) MF	AB-CD08ML-CDHL-QD ⑩	-	AB-CBD08ML-CBDHL-QF ⑩	-
	End1: (H) MF End2: (H) MF	-	AB-CD08HL-CDHL-QD ⑩	-	AB-CBD08HL-CBDHL-QF ⑩
	End1: (M) MM End2: (F) FF	AB-CD08ML-CDFL-QD ⑩	-	AB-CBD08ML-CBDFL-QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-CD08ML-CDBL-QD ⑩	-	AB-CBD08ML-CDBL-QF ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-CD08HL-CBBL-QD ⑩	-	AB-CBD08HL-CBBL-QF ⑩

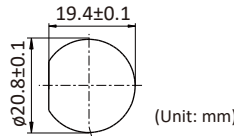
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF

	End1: (M) MM End2: (F) FF	AB-CD08ML-CDFR-QD ⑩	-	AB-CBD08ML-CBDFR-QD ⑩	-
	End1: (M) MM End2: (B) FM	AB-CD08ML-CDBR-QD ⑩	-	AB-CBD08ML-CBDBR-QD ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-CD08HL-CDBR-QD ⑩	-	AB-CBD08HL-CDBR-QD ⑩

No of Contacts		8		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		5A		
Plastic / Metal		Plastic		
Pin Assignment		MM	MF	
MM : Male Connector Male Contact MF : Male Connector Female Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B MM G-QL8AP0 *	CD-08B MF G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B MM G-QL8SP0 *	CD-08B MF G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B MM G-QL8MP0 *	CD-08B MF G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B MM G-QL8LP0 *	CD-08B MF G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B MM B-QL8AP0 *	CD-08B MF B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B MM B-QL8SP0 *	CD-08B MF B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B MM B-QL8MP0 *	CD-08B MF B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B MM B-QL8LP0 *	CD-08B MF B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B MM E-QL8AP0 *	CD-08B MF E-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B MM E-QL8SP0 *	CD-08B MF E-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B MM E-QL8MP0 *	CD-08B MF E-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B MM E-QL8LP0 *	CD-08B MF E-QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B MM A-QL8AP0	CD-08B MF A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-08B MM A-QL8SP0	CD-08B MF A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-08B MM A-QL8MP0	CD-08B MF A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-08B MM A-QL8LP0	CD-08B MF A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-08B MM A-QL8AN0	CD-08B MF A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-08B MM A-QL8SN0	CD-08B MF A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-08B MM A-QL8MN0	CD-08B MF A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-08B MM A-QL8LN0	CD-08B MF A-QL8LN0

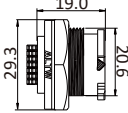
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	9	10	12
Rated Voltage (AC/DC)		300 ~ 600V	300 ~ 600V	300 ~ 600V
Nominal Current		5A	5A	5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment		MMMF	MM	MM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

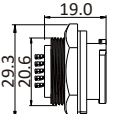
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 8 ~ 10 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	Solder Type	CD-09P MM S-QC8001	CD-09P MF S-QC8001	CD-10P MM S-QC8001	CD-12P MM S-QC8001
	180° PCB Type	CD-09P MM P-QC8001 *	CD-09P MF P-QC8001 *	CD-10P MM P-QC8001 *	CD-12P MM P-QC8001 *

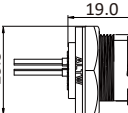
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	Solder Type	CD-09R MM S-QC8001	CD-09R MF S-QC8001	CD-10R MM S-QC8001	CD-12R MM S-QC8001
	180° PCB Type	CD-09R MM P-QC8001 *	CD-09R MF P-QC8001 *	CD-10R MM P-QC8001 *	CD-12R MM P-QC8001 *

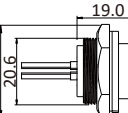
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

¹⁾ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-09P MM S-QC8A ¹⁾ *	CD-09P MF S-QC8A ¹⁾ *	CD-10P MM S-QC8A ¹⁾ *	CD-12P MM S-QC8A ¹⁾ *

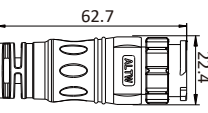
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

¹⁾ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 6 ~ 8 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.2mm

	UL1430, XL-PVC Jacket	CD-09R MM S-QC8A ¹⁾ *	CD-09R MF S-QC8A ¹⁾ *	CD-10R MM S-QC8A ¹⁾ *	CD-12R MM S-QC8A ¹⁾ *

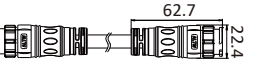
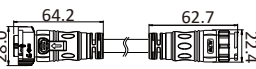
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

¹⁾ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CD-09A MM M-QL8D ¹⁾	CD-09A MF M-QL8D ¹⁾	CD-10A MM M-QL8D ¹⁾	CD-12A MM M-QL8D ¹⁾

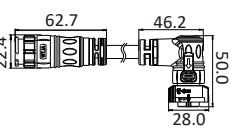
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

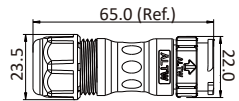
¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (M) MM End2: (M) MM	AB-CD09 ML -CD ML -QD ¹⁾	-	AB-CD10 ML -CD ML -QD ¹⁾	AB-CD12 ML -CD ML -QD ¹⁾
	End1: (M) MM End2: (H) MF	AB-CD09 ML -CD HL -QD ¹⁾	-	AB-CD10 ML -CD HL -QD ¹⁾	AB-CD12 ML -CD HL -QD ¹⁾
	End1: (H) MF End2: (H) MF	-	AB-CD09 HL -CD HL -QD ¹⁾	-	-
	End1: (M) MM End2: (F) FF	AB-CD09 ML -CD FL -QD ¹⁾	-	AB-CD10 ML -CD FL -QD ¹⁾	AB-CD12 ML -CD FL -QD ¹⁾
	End1: (M) MM End2: (B) FM	AB-CD09 ML -CD BL -QD ¹⁾	-	AB-CD10 ML -CD BL -QD ¹⁾	AB-CD12 ML -CD BL -QD ¹⁾
	End1: (H) MF End2: (B) FM	-	AB-CD09 HL -CD BL -QD ¹⁾	-	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

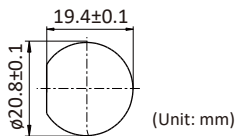
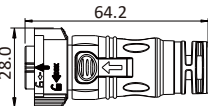
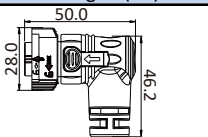
¹⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

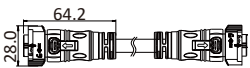
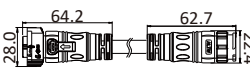
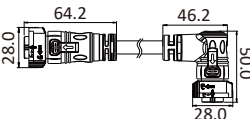
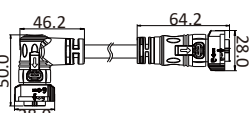
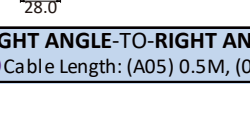
	End1: (M) MM End2: (F) FF	AB-CD09 ML -CD FR -QD ¹⁾	-	AB-CD10 ML -CD FR -QD ¹⁾	AB-CD12 ML -CD FR -QD ¹⁾
	End1: (M) MM End2: (B) FM	AB-CD09 ML -CD BR -QD ¹⁾	-	AB-CD10 ML -CD BR -QD ¹⁾	AB-CD12 ML -CD BR -QD ¹⁾
	End1: (H) MF End2: (B) FM	-	AB-CD09 HL -CD BR -QD ¹⁾	-	-

No of Contacts			9		10	12
Rated Voltage (AC/DC)			300 ~ 600V		300 ~ 600V	300 ~ 600V
Nominal Current			5A		5A	5A
Plastic / Metal			Plastic		Plastic	Plastic
Pin Assignment			MM	MF	MM	MM
MM : Male Connector Male Contact MF : Male Connector Female Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:						
Connector With Contacts						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B MMG -QL8AP0*	CD-09B MF G-QL8AP0*	CD-10B MMG -QL8AP0*	CD-12B MMG -QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B MMG -QL8SP0*	CD-09B MF G-QL8SP0*	CD-10B MMG -QL8SP0*	CD-12B MMG -QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B MMG -QL8MP0*	CD-09B MF G-QL8MP0*	CD-10B MMG -QL8MP0*	CD-12B MMG -QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B MMG -QL8LP0*	CD-09B MF G-QL8LP0*	CD-10B MMG -QL8LP0*	CD-12B MMG -QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B MMB -QL8AP0*	CD-09B MB F-QL8AP0*	CD-10B MMB -QL8AP0*	CD-12B MMB -QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B MMB -QL8SP0*	CD-09B MB F-QL8SP0*	CD-10B MMB -QL8SP0*	CD-12B MMB -QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B MMB -QL8MP0*	CD-09B MB F-QL8MP0*	CD-10B MMB -QL8MP0*	CD-12B MMB -QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B MMB -QL8LP0*	CD-09B MB F-QL8LP0*	CD-10B MMB -QL8LP0*	CD-12B MMB -QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B MME -QL8AP0*	CD-09B ME F-QL8AP0*	CD-10B MME -QL8AP0*	CD-12B MME -QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09B MME -QL8SP0*	CD-09B ME F-QL8SP0*	CD-10B MME -QL8SP0*	CD-12B MME -QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09B MME -QL8MP0*	CD-09B ME F-QL8MP0*	CD-10B MME -QL8MP0*	CD-12B MME -QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09B MME -QL8LP0*	CD-09B ME F-QL8LP0*	CD-10B MME -QL8LP0*	CD-12B MME -QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09B MM A-QL8AP0	CD-09B MF A-QL8AP0	CD-10B MM A-QL8AP0	CD-12B MM A-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-09B MM A-QL8SP0	CD-09B MF A-QL8SP0	CD-10B MM A-QL8SP0	CD-12B MM A-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-09B MM A-QL8MP0	CD-09B MF A-QL8MP0	CD-10B MM A-QL8MP0	CD-12B MM A-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-09B MM A-QL8LP0	CD-09B MF A-QL8LP0	CD-10B MM A-QL8LP0	CD-12B MM A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-09B MM A-QL8AN0	CD-09B MF A-QL8AN0	CD-10B MM A-QL8AN0	CD-12B MM A-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-09B MM A-QL8SN0	CD-09B MF A-QL8SN0	CD-10B MM A-QL8SN0	CD-12B MM A-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-09B MM A-QL8MN0	CD-09B MF A-QL8MN0	CD-10B MM A-QL8MN0	CD-12B MM A-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-09B MM A-QL8LN0	CD-09B MF A-QL8LN0	CD-10B MM A-QL8LN0	CD-12B MM A-QL8LN0

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

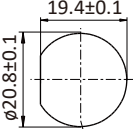
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	2		3	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		20A		20A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact		FF	FM	FF	FM
					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ① Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL SJTW, PVC Jacket(For Power Group)	CC-02 AFFM -QL8E ①	CC-02 AFMM -QL8E ①	CC-03 AFFM -QL8E ①	CC-03 AFMM -QL8E ①
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ① Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL SJTW, PVC Jacket (For Power Group)	CC-02 AFFM -QR8E ①	CC-02 AFMM -QR8E ①	CC-03 AFFM -QR8E ①	CC-03 AFMM -QR8E ①

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-CC02FL-CCFL-QE ⑩	-	AB-CC03FL-CCFL-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-CC02FL-CCBL-QE ⑩	-	AB-CC03FL-CCBL-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CC02BL-CCBL-QE ⑩	-	AB-CC03BL-CCBL-QE ⑩
	End1: (F) FF End2: (H) MF	AB-CC02FL-CCHL-QE ⑩	-	AB-CC03FL-CCHL-QE ⑩	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-CC02FL-CCFR-QE ⑩	-	AB-CC03FL-CCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-CC02FL-CCBR-QE ⑩	-	AB-CC03FL-CCBR-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CC02BL-CCBR-QE ⑩	-	AB-CC03BL-CCBR-QE ⑩
	End1: (F) FF End2: (B) FM	AB-CC02FR-CCBL-QE ⑩	-	AB-CC03FR-CCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-CC02FR-CCHL-QE ⑩	-	AB-CC03FR-CCHL-QE ⑩	-
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-CC02FR-CCFR-QE ⑩	-	AB-CC03FR-CCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-CC02FR-CCBR-QE ⑩	-	AB-CC03FR-CCBR-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CC02BR-CCBR-QE ⑩	-	AB-CC03BR-CCBR-QE ⑩
	End1: (F) FF End2: (B) FM	AB-CC02FR-CCBL-QE ⑩	-	AB-CC03FR-CCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-CC02FR-CCHL-QE ⑩	-	AB-CC03FR-CCHL-QE ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-CC02FR-CCFR-QE ⑩	-	AB-CC03FR-CCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-CC02FR-CCBR-QE ⑩	-	AB-CC03FR-CCBR-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CC02BR-CCBR-QE ⑩	-	AB-CC03BR-CCBR-QE ⑩

No of Contacts			2		3	
Rated Voltage (AC/DC)			30 ~ 600V		30 ~ 600V	
Nominal Current			20A		20A	
Plastic / Metal			Plastic		Plastic	
Pin Assignment			FF	FM	FF	FM
FF : Female Connector Female Contact FM : Female Connector Male Contact						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:						
Connector With Contacts						
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BFFG-QL8APP*	CC-02BFMG-QL8APP*	CC-03BFFG-QL8APP*	CC-03BFMG-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02BFFG-QL8SPP*	CC-02BFMG-QL8SPP*	CC-03BFFG-QL8SPP*	CC-03BFMG-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02BFFG-QL8MPP*	CC-02BFMG-QL8MPP*	CC-03BFFG-QL8MPP*	CC-03BFMG-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02BFFG-QL8LPP*	CC-02BFMG-QL8LPP*	CC-03BFFG-QL8LPP*	CC-03BFMG-QL8LPP*
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BFFB-QL8APP	CC-02BFMB-QL8APP	CC-03BFFB-QL8APP	CC-03BFMB-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02BFFB-QL8SPP	CC-02BFMB-QL8SPP	CC-03BFFB-QL8SPP	CC-03BFMB-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02BFFB-QL8MPP	CC-02BFMB-QL8MPP	CC-03BFFB-QL8MPP	CC-03BFMB-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02BFFB-QL8LPP	CC-02BFMB-QL8LPP	CC-03BFFB-QL8LPP	CC-03BFMB-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BFFE-QL8APP*	CC-02BFME-QL8APP*	CC-03BFFE-QL8APP*	CC-03BFME-QL8APP*
		6.0 ~ 8.0mm Red Seal	CC-02BFFE-QL8SPP*	CC-02BFME-QL8SPP*	CC-03BFFE-QL8SPP*	CC-03BFME-QL8SPP*
		8.0 ~ 10.0mm Yellow Seal	CC-02BFFE-QL8MPP*	CC-02BFME-QL8MPP*	CC-03BFFE-QL8MPP*	CC-03BFME-QL8MPP*
		10.0 ~ 12.0mm Blue Seal	CC-02BFFE-QL8LPP*	CC-02BFME-QL8LPP*	CC-03BFFE-QL8LPP*	CC-03BFME-QL8LPP*
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	CC-02BFFA-QL8APP	CC-02BFMA-QL8APP	CC-03BFFA-QL8APP	CC-03BFMA-QL8APP
		6.0 ~ 8.0mm Red Seal	CC-02BFFA-QL8SPP	CC-02BFMA-QL8SPP	CC-03BFFA-QL8SPP	CC-03BFMA-QL8SPP
		8.0 ~ 10.0mm Yellow Seal	CC-02BFFA-QL8MPP	CC-02BFMA-QL8MPP	CC-03BFFA-QL8MPP	CC-03BFMA-QL8MPP
		10.0 ~ 12.0mm Blue Seal	CC-02BFFA-QL8LPP	CC-02BFMA-QL8LPP	CC-03BFFA-QL8LPP	CC-03BFMA-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	CC-02BFFA-QL8ANP	CC-02BFMA-QL8ANP	CC-03BFFA-QL8ANP	CC-03BFMA-QL8ANP
		6.0 ~ 8.0mm Red Seal	CC-02BFFA-QL8SNP	CC-02BFMA-QL8SNP	CC-03BFFA-QL8SNP	CC-03BFMA-QL8SNP
		8.0 ~ 10.0mm Yellow Seal	CC-02BFFA-QL8MNP	CC-02BFMA-QL8MNP	CC-03BFFA-QL8MNP	CC-03BFMA-QL8MNP
		10.0 ~ 12.0mm Blue Seal	CC-02BFFA-QL8LNP	CC-02BFMA-QL8LNP	CC-03BFFA-QL8LNP	CC-03BFMA-QL8LNP

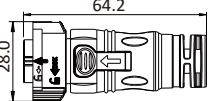
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	4		4 (3+1)	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

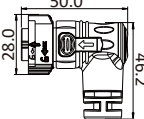
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-04AFFM-QL8D ⑪	CB-04AFMM-QL8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04AFFM-QL8F ⑪	CBD-04AFMM-QL8F ⑪

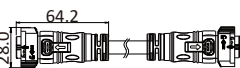
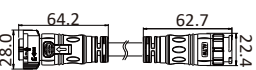
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-04AFFM-QR8D ⑪	CB-04AFMM-QR8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-04AFFM-QR8F ⑪	CBD-04AFMM-QR8F ⑪

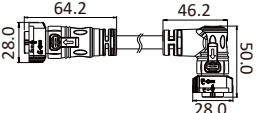
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-CB04FL-CBFL-QD ⑩	-	AB-CBD04FL-CBD FL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB04FL-CBBL-QD ⑩	-	AB-CBD04FL-CBD BL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CB04BL-CBBL-QD ⑩	-	AB-CBD04BL-CBD BL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-CB04FL-CBHL-QD ⑩	-	AB-CBD04FL-CBD HL-QF ⑩	-

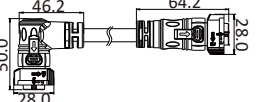
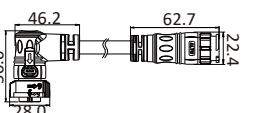
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB04FR-CBFL-QD ⑩	-	AB-CBD04FL-CBD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB04FL-CBFR-QD ⑩	-	AB-CBD04FL-CBD BR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CB04BL-CBFR-QD ⑩	-	AB-CBD04BL-CBD BR-QF ⑩

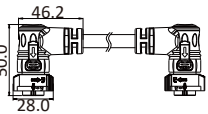
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

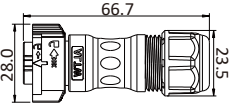
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (B) FM	AB-CB04FR-CBBL-QD ⑩	-	AB-CBD04FR-CBD BL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-CB04FR-CBHL-QD ⑩	-	AB-CBD04FR-CBD HL-QD ⑩	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

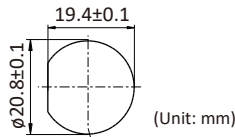
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB04FR-CBFR-QD ⑩	-	AB-CBD04FR-CBD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB04FR-CBFR-QD ⑩	-	AB-CBD04FR-CBD BR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CB04BR-CBFR-QD ⑩	-	AB-CBD04BR-CBD BR-QF ⑩

No of Contacts		4		
Rated Voltage (AC/DC)		30 ~ 600V		
Nominal Current		10A		
Plastic / Metal		Plastic		
Pin Assignment FF: Female Connector Female Contact FM: Female Connector Male Contact		FF	FM	
				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B FFG -QL8AP0	CB-04B FMG -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B FFG -QL8SP0	CB-04B FMG -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B FFG -QL8MP0	CB-04B FMG -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B FFG -QL8LP0	CB-04B FMG -QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B FFB -QL8AP0	CB-04B FMB -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B FFB -QL8SP0	CB-04B FMB -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B FFB -QL8MP0	CB-04B FMB -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B FFB -QL8LP0	CB-04B FMB -QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B FFE -QL8AP0	CB-04B FME -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B FFE -QL8SP0	CB-04B FME -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B FFE -QL8MP0	CB-04B FME -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B FFE -QL8LP0	CB-04B FME -QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-04B FFA -QL8AP0	CB-04B FMA -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-04B FFA -QL8SP0	CB-04B FMA -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-04B FFA -QL8MP0	CB-04B FMA -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-04B FFA -QL8LP0	CB-04B FMA -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-04B FFA -QL8AN0	CB-04B FMA -QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-04B FFA -QL8SN0	CB-04B FMA -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-04B FFA -QL8MN0	CB-04B FMA -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-04B FFA -QL8LN0	CB-04B FMA -QL8LN0

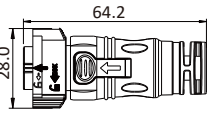
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	5		5 (3+2)	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		10A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

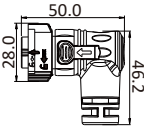
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-05AFFM-QL8D ⑩	CB-05AFMM-QL8D ⑩	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05AFFM-QL8F ⑩	CBD-05AFMM-QL8F ⑩

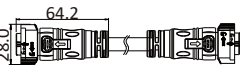
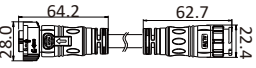
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-05AFFM-QR8D ⑩	CB-05AFMM-QR8D ⑩	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-05AFFM-QR8F ⑩	CBD-05AFMM-QR8F ⑩

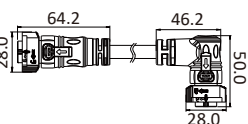
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-CB05FL-CBFL-QD ⑩	-	AB-CBD05FL-CBD FL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB05FL-CBBL-QD ⑩	-	AB-CBD05FL-CBD BL-QF ⑩	-
	End1: (F) FF End2: (B) FM	-	AB-CB05BL-CBBL-QD ⑩	-	AB-CBD05BL-CBD BL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-CB05FL-CBHL-QD ⑩	-	AB-CBD05FL-CBD HL-QF ⑩	-

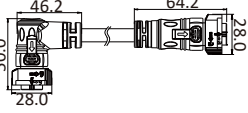
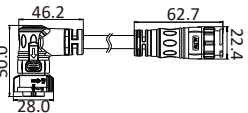
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB05FR-CBFL-QD ⑩	-	AB-CBD05FL-CBD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB05FL-CBBL-QD ⑩	-	AB-CBD05FL-CBD BR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CB05BL-CBBL-QD ⑩	-	AB-CBD05BL-CBD BR-QF ⑩

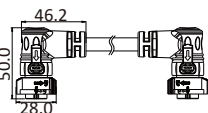
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

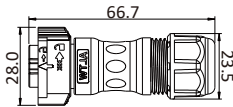
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (B) FM	AB-CB05FR-CBBL-QD ⑩	-	AB-CBD05FR-CBD BL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-CB05FR-CBHL-QD ⑩	-	AB-CBD05FR-CBDBL-QD ⑩	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

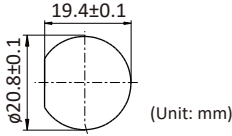
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB05FR-CBFR-QD ⑩	-	AB-CBD05FR-CBD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB05FR-CBBL-QD ⑩	-	AB-CBD05FR-CBD BR-QF ⑩	-
	End1: (F) FF End2: (B) FM	-	AB-CB05BR-CBBL-QD ⑩	-	AB-CBD05BR-CBD BR-QF ⑩

No of Contacts			5	
Rated Voltage (AC/DC)			30 ~ 600V	
Nominal Current			10A	
Plastic / Metal			Plastic	
Pin Assignment FF : Female Connector Female Contact FM : Female Connector Male Contact			FF	FM
				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B FFG -QL8AP0	CB-05B FMG -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B FFG -QL8SP0	CB-05B FMG -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B FFG -QL8MP0	CB-05B FMG -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B FFG -QL8LP0	CB-05B FMG -QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B FFB -QL8AP0	CB-05B FMB -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B FFB -QL8SP0	CB-05B FMB -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B FFB -QL8MP0	CB-05B FMB -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B FFB -QL8LP0	CB-05B FMB -QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B FFE -QL8AP0	CB-05B FME -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B FFE -QL8SP0	CB-05B FME -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B FFE -QL8MP0	CB-05B FME -QL8VP0
		10.0 ~ 12.0mm Blue Seal	CB-05B FFE -QL8LP0	CB-05B FME -QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-05B FFA -QL8AP0	CB-05B FMA -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-05B FFA -QL8SP0	CB-05B FMA -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-05B FFA -QL8MP0	CB-05B FMA -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-05B FFA -QL8LP0	CB-05B FMA -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-05B FFA -QL8AN0	CB-05B FMA -QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-05B FFA -QL8SN0	CB-05B FMA -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-05B FFA -QL8MN0	CB-05B FMA -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-05B FFA -QL8LN0	CB-05B FMA -QL8LN0

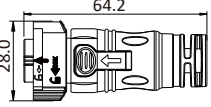
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	6	6 (3+3)	
Rated Voltage (AC/DC)		30 ~ 600V	30 ~ 600V	
Nominal Current		10A	10A+5A	
Plastic / Metal		Plastic	Plastic	
Pin Assignment		FF	FF	FM
FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

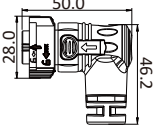
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-06A FFM-QL8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06A FFM-QL8F ⑪	CBD-06A FMM-QL8F ⑪

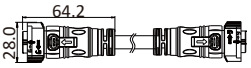
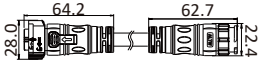
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CB-06A FFM-QR8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	CBD-06A FFM-QR8F ⑪	CBD-06A FMM-QR8F ⑪

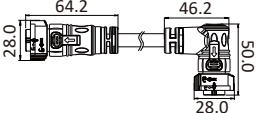
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-CB06FL-CBFL-QD ⑩	AB-CBD06FL-CBDFL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB06FL-CBBL-QD ⑩	AB-CBD06FL-CBDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	AB-CBD06BL-CBDBL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-CB06FL-CBHL-QD ⑩	AB-CBD06FL-CBDHL-QF ⑩	-

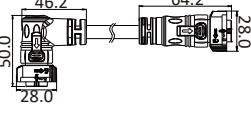
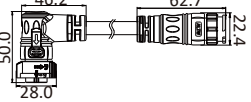
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB06FR-CBFL-QD ⑩	AB-CBD06FL-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB06FL-CBBL-QD ⑩	AB-CBD06FL-CBDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	AB-CBD06BL-CBDBL-QF ⑩

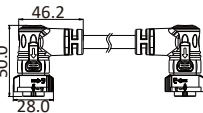
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

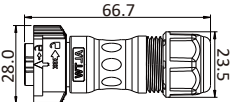
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (B) FM	AB-CB06FR-CBBL-QD ⑩	AB-CBD06FR-CBDBL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-CB06FR-CBHL-QD ⑩	AB-CBD06FR-CBDHL-QD ⑩	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

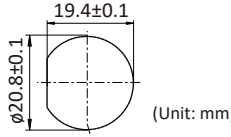
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-CB06FR-CBFR-QD ⑩	AB-CBD06FR-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CB06FR-CBBL-QD ⑩	AB-CBD06FR-CBDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	AB-CBD06BR-BBD BR-QF ⑩

No of Contacts		6	
Rated Voltage (AC/DC)		30 ~ 600V	
Nominal Current		10A	
Plastic / Metal		Plastic	
Pin Assignment		FF	
FF: Female Connector Female Contact			
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts			
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B FF G -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-06B FF G -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-06B FF G -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-06B FF G -QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B FF B -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-06B FF B -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-06B FF B -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-06B FF B -QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CB-06B FF E -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-06B FF E -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-06B FF E -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-06B FF E -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B FF A -QL8AP0
		6.0 ~ 8.0mm Red Seal	CB-06B FF A -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CB-06B FF A -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CB-06B FF A -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CB-06B FF A -QL8AN0
		6.0 ~ 8.0mm Red Seal	CB-06B FF A -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CB-06B FF A -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CB-06B FF A -QL8LN0

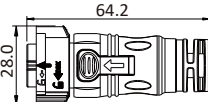
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut)  (Unit: mm)	7		7 (3+4)	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					

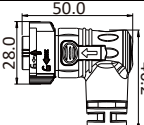
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CD-07AFFM-QL8D ⑩	CD-07AFMM-QL8D ⑩	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07AFFM-QL8F ⑩	CBD-07AFMM-QL8F ⑩

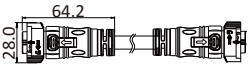
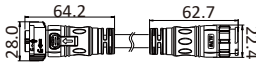
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CD-07AFFM-QR8D ⑩	CD-07AFMM-QR8D ⑩	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-07AFFM-QR8F ⑩	CBD-07AFMM-QR8F ⑩

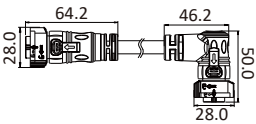
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-CD07FL-CDFL-QF ⑩	-	AB-CBD07FL-CBDFL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD07FL-CDBL-QF ⑩	-	AB-CBD07FL-CBDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD07BL-CDBL-QF ⑩	-	AB-CBD07BL-CBDBL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-CD07FL-CDHL-QF ⑩	-	AB-CBD07FL-CBDHL-QF ⑩	-

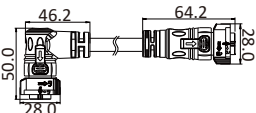
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

	End1: (F) FF End2: (F) FF	AB-CD07FL-CDFR-QF ⑩	-	AB-CBD07FL-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD07FL-CDBR-QF ⑩	-	AB-CBD07FL-CBDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD07BL-CDBR-QF ⑩	-	AB-CBD07BL-CBDBR-QF ⑩

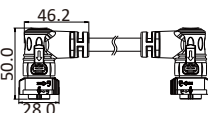
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

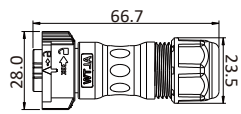
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (B) FM	AB-CD07FR-CDBL-QD ⑩	-	AB-CBD07FR-CBDBL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-CD07FR-CDHL-QD ⑩	-	AB-CBD07FR-CBDHL-QD ⑩	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

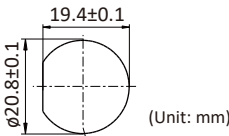
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

	End1: (F) FF End2: (F) FF	AB-CD07FR-CDFR-QD ⑩	-	AB-CBD07FR-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD07FR-CDBR-QD ⑩	-	AB-CBD07FR-CBDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD07BR-CDBR-QD ⑩	-	AB-CBD07BR-CBDBR-QF ⑩

No of Contacts		7		
Rated Voltage (AC/DC)		30 ~ 600V		
Nominal Current		5A		
Plastic / Metal		Plastic		
Pin Assignment		FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B FFG -QL8AP0 *	CD-07B FMG -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B FFG -QL8SP0 *	CD-07B FMG -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B FFG -QL8MP0 *	CD-07B FMG -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B FFG -QL8LP0 *	CD-07B FMG -QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B FFB -QL8AP0 *	CD-07B FMB -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B FFB -QL8SP0 *	CD-07B FMB -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B FFB -QL8MP0 *	CD-07B FMB -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B FFB -QL8LP0 *	CD-07B FMB -QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B FFE -QL8AP0 *	CD-07B FME -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-07B FFE -QL8SP0 *	CD-07B FME -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-07B FFE -QL8MP0 *	CD-07B FME -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-07B FFE -QL8LP0 *	CD-07B FME -QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-07B FFA -QL8AP0	CD-07B FMA -QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-07B FFA -QL8SP0	CD-07B FMA -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-07B FFA -QL8MP0	CD-07B FMA -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-07B FFA -QL8LP0	CD-07B FMA -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-07B FFA -QL8AN0	CD-07B FMA -QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-07B FFA -QL8SN0	CD-07B FMA -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-07B FFA -QL8MN0	CD-07B FMA -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-07B FFA -QL8LN0	CD-07B FMA -QL8LN0

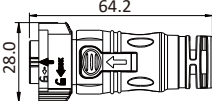
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	8		8 (3+5)	
Rated Voltage (AC/DC)		30 ~ 600V		30 ~ 600V	
Nominal Current		5A		10A+5A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	FM
FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					

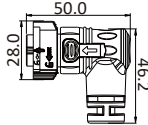
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CD-08AFFM-QL8D ⑪	CD-08AFMM-QL8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08AFFM-QL8F ⑪	CBD-08AFMM-QL8F ⑪

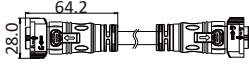
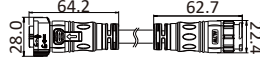
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL21388, PVC Jacket (For Data Group)	CD-08AFFM-QR8D ⑪	CD-08AFMM-QR8D ⑪	-	-
	UL21996, PVC Jacket (For Hybrid Group)	-	-	CBD-08AFFM-QR8F ⑪	CBD-08AFMM-QR8F ⑪

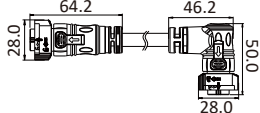
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-CD08FL-CDFL-QF ⑩	-	AB-CBD08FL-CBDFL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD08FL-CDBL-QF ⑩	-	AB-CBD08FL-CBDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD08BL-CDBL-QF ⑩	-	AB-CBD08BL-CBDBL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-CD08FL-CDHL-QF ⑩	-	AB-CBD08FL-CBDHL-QF ⑩	-

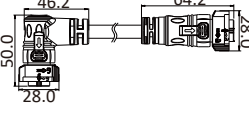
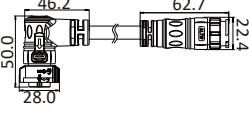
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

	End1: (F) FF End2: (F) FF	AB-CD08FL-CDFR-QF ⑩	-	AB-CBD086FL-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD08FL-CDBR-QF ⑩	-	AB-CBD08FL-CBDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD08BL-CDBR-QF ⑩	-	AB-CBD08BL-CBDBR-QF ⑩

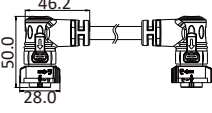
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

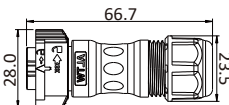
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (B) FM	AB-CD08FR-CDBL-QD ⑩	-	AB-CBD08FR-CBDBL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-CD08FR-CDHL-QD ⑩	-	AB-CBD08FR-CBDHL-QD ⑩	-

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

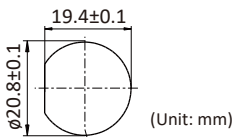
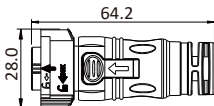
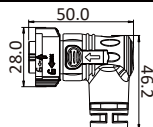
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(F)** FF, **(B)** FM

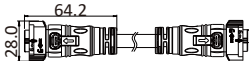
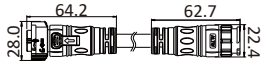
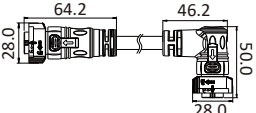
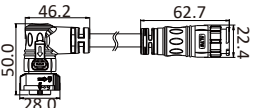
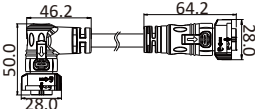
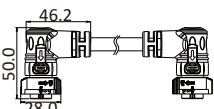
	End1: (F) FF End2: (F) FF	AB-CD08FR-CDFR-QD ⑩	-	AB-CBD08FR-CBDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-CD08FR-CDBR-QD ⑩	-	AB-CBD08FR-CBDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-CD08BR-CDBR-QD ⑩	-	AB-CBD08BR-CBDBR-QF ⑩

No of Contacts		8		
Rated Voltage (AC/DC)		30 ~ 600V		
Nominal Current		5A		
Plastic / Metal		Plastic		
Pin Assignment		FF	FM	
FF: Female Connector Female Contact FM: Female Connector Male Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B FF G-QL8AP0 *	CD-08B FM G-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B FF G-QL8SP0 *	CD-08B FM G-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B FF G-QL8MP0 *	CD-08B FM G-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B FF G-QL8LP0 *	CD-08B FM G-QL8LP0 *
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B FF B-QL8AP0 *	CD-08B FM B-QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B FF B-QL8SP0 *	CD-08B FM B-QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B FF B-QL8MP0 *	CD-08B FM B-QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B FF B-QL8LP0 *	CD-08B FM B-QL8LP0 *
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B FF E-QL8AP0 *	CD-08B FME -QL8AP0 *
		6.0 ~ 8.0mm Red Seal	CD-08B FF E-QL8SP0 *	CD-08B FME -QL8SP0 *
		8.0 ~ 10.0mm Yellow Seal	CD-08B FF E-QL8MP0 *	CD-08B FME -QL8MP0 *
		10.0 ~ 12.0mm Blue Seal	CD-08B FF E-QL8LP0 *	CD-08B FME -QL8LP0 *
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-08B FF A-QL8AP0	CD-08B FMA -QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-08B FF A-QL8SP0	CD-08B FMA -QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-08B FF A-QL8MP0	CD-08B FMA -QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-08B FF A-QL8LP0	CD-08B FMA -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-08B FF A-QL8AN0	CD-08B FMA -QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-08B FF A-QL8SN0	CD-08B FMA -QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-08B FF A-QL8MN0	CD-08B FMA -QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-08B FF A-QL8LN0	CD-08B FMA -QL8LN0

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	9	10	12	
Rated Voltage (AC/DC)		30 ~ 600V	30 ~ 600V	30 ~ 600V	
Nominal Current		5A	5A	5A	
Plastic / Metal		Plastic	Plastic	Plastic	
Pin Assignment		FF	FM	FF	
FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	CD-09AFFM-QL8D ⑪	CD-09AFMM-QL8D ⑪	CD-10AFFM-QL8D ⑪	CD-12AFFM-QL8D ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	CD-09AFFM-QR8D ⑪	CD-09AFMM-QR8D ⑪	CD-10AFFM-QR8D ⑪	CD-12AFFM-QR8D ⑪

STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-CD09FL-CD FL-QF ⑩	-	AB-CD10FL-CD FL-QF ⑩	AB-CD12FL-CD FL-QF ⑩
	End1: (F) FF End2: (B) FM	AB-CD09FL-CD BL-QF ⑩	-	AB-CD10FL-CD BL-QF ⑩	AB-CD12FL-CD BL-QF ⑩
	End1: (B) FM End2: (B) FM	-	AB-CD09BL-CD BL-QF ⑩	-	-
	End1: (F) FF End2: (H) MF	AB-CD09FL-CD HL-QF ⑩	-	AB-CD10FL-CD HL-QF ⑩	AB-CD12FL-CD HL-QF ⑩
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-CD09FL-CD FR-QF ⑩	-	AB-CD10FL-CD FR-QF ⑩	AB-CD12FL-CD FR-QF ⑩
	End1: (F) FF End2: (B) FM	AB-CD09FL-CD BR-QF ⑩	-	AB-CD10FL-CD BR-QF ⑩	AB-CD12FL-CD BR-QF ⑩
	End1: (B) FM End2: (B) FM	-	AB-CD09BL-CD BR-QF ⑩	-	-
	End1: (F) FF End2: (H) MF	AB-CD09FR-CD HL-QD ⑩	-	AB-CD10FR-CD HL-QD ⑩	AB-CD12FR-CD HL-QD ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (B) FM	AB-CD09FR-CD BL-QD ⑩	-	AB-CD10FR-CD BL-QD ⑩	AB-CD12FR-CD BL-QD ⑩
	End1: (F) FF End2: (H) MF	AB-CD09FR-CD HL-QD ⑩	-	AB-CD10FR-CD HL-QD ⑩	AB-CD12FR-CD HL-QD ⑩
	End1: (B) FM End2: (B) FM	-	AB-CD09BR-CD BR-QD ⑩	-	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-CD09FR-CD FR-QD ⑩	-	AB-CD10FR-CD FR-QD ⑩	AB-CD12FR-CD FR-QD ⑩
	End1: (F) FF End2: (B) FM	AB-CD09FR-CD BR-QD ⑩	-	AB-CD10FR-CD BR-QD ⑩	AB-CD12FR-CD BR-QD ⑩
	End1: (B) FM End2: (B) FM	-	AB-CD09BR-CD BR-QD ⑩	-	-

No of Contacts	9	10	12
Rated Voltage (AC/DC)	30 ~ 600V	30 ~ 600V	30 ~ 600V
Nominal Current	5A	5A	5A
Plastic / Metal	Plastic	Plastic	Plastic
Pin Assignment	FF	FM	FF
FF: Female Connector Female Contact FM: Female Connector Male Contact			

Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
 Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option:
 Connector With Contacts

	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09BFFG-QL8AP0*	CD-09BFMG-QL8AP0*	CD-10BFFG-QL8AP0*	CD-12BFFG-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09BFFG-QL8SP0*	CD-09BFMG-QL8SP0*	CD-10BFFG-QL8SP0*	CD-12BFFG-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09BFFG-QL8MP0*	CD-09BFMG-QL8MP0*	CD-10BFFG-QL8MP0*	CD-12BFFG-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09BFFG-QL8LP0*	CD-09BFMG-QL8LP0*	CD-10BFFG-QL8LP0*	CD-12BFFG-QL8LP0*
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09BFFB-QL8AP0*	CD-09BFMB-QL8AP0*	CD-10BFFB-QL8AP0*	CD-12BFFB-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09BFFB-QL8SP0*	CD-09BFMB-QL8SP0*	CD-10BFFB-QL8SP0*	CD-12BFFB-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09BFFB-QL8MP0*	CD-09BFMB-QL8MP0*	CD-10BFFB-QL8MP0*	CD-12BFFB-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09BFFB-QL8LP0*	CD-09BFMB-QL8LP0*	CD-10BFFB-QL8LP0*	CD-12BFFB-QL8LP0*
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09BFFE-QL8AP0*	CD-09BFME-QL8AP0*	CD-10BFFE-QL8AP0*	CD-12BFFE-QL8AP0*
		6.0 ~ 8.0mm Red Seal	CD-09BFFE-QL8SP0*	CD-09BFME-QL8SP0*	CD-10BFFE-QL8SP0*	CD-12BFFE-QL8SP0*
		8.0 ~ 10.0mm Yellow Seal	CD-09BFFE-QL8MP0*	CD-09BFME-QL8MP0*	CD-10BFFE-QL8MP0*	CD-12BFFE-QL8MP0*
		10.0 ~ 12.0mm Blue Seal	CD-09BFFE-QL8LP0*	CD-09BFME-QL8LP0*	CD-10BFFE-QL8LP0*	CD-12BFFE-QL8LP0*
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	CD-09BFFA-QL8AP0	CD-09BFMA-QL8AP0	CD-10BFFA-QL8AP0	CD-12BFFA-QL8AP0
		6.0 ~ 8.0mm Red Seal	CD-09BFFA-QL8SP0	CD-09BFMA-QL8SP0	CD-10BFFA-QL8SP0	CD-12BFFA-QL8SP0
		8.0 ~ 10.0mm Yellow Seal	CD-09BFFA-QL8MP0	CD-09BFMA-QL8MP0	CD-10BFFA-QL8MP0	CD-12BFFA-QL8MP0
		10.0 ~ 12.0mm Blue Seal	CD-09BFFA-QL8LP0	CD-09BFMA-QL8LP0	CD-10BFFA-QL8LP0	CD-12BFFA-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	CD-09BFFA-QL8AN0	CD-09BFMA-QL8AN0	CD-10BFFA-QL8AN0	CD-12BFFA-QL8AN0
		6.0 ~ 8.0mm Red Seal	CD-09BFFA-QL8SN0	CD-09BFMA-QL8SN0	CD-10BFFA-QL8SN0	CD-12BFFA-QL8SN0
		8.0 ~ 10.0mm Yellow Seal	CD-09BFFA-QL8MN0	CD-09BFMA-QL8MN0	CD-10BFFA-QL8MN0	CD-12BFFA-QL8MN0
		10.0 ~ 12.0mm Blue Seal	CD-09BFFA-QL8LN0	CD-09BFMA-QL8LN0	CD-10BFFA-QL8LN0	CD-12BFFA-QL8LN0

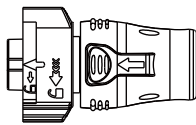
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Customization - Upon Request

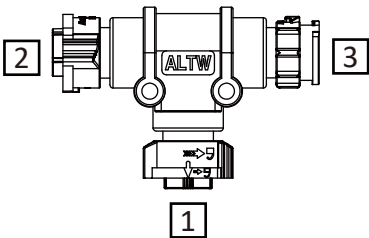


I Adaptor



Terminator

T Adaptor

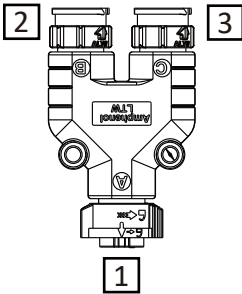


- 1 Current Rating:
(CD) 5A*
(CB) 10A
(CC) 20A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
10A (CB)	04, 05, 06	Push Lock	AB-CB-222-MFF-TQ001	AB-1-222-567-TQ001
			AB-CB-222-FMF-TQ001	
20A (CC)	02, 03		AB-CC-222-HBH-TQ001	

*Upon Request

Y Adaptor

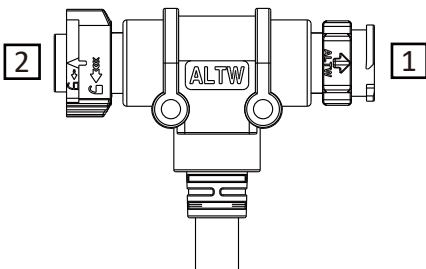


- 1 Current Rating:
(CD) 5A*
(CB) 10A*
(CC) 20A
5 For Connector 1
6 For Connector 2
7 For Connector 3
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A (CC)	02, 03	Push Lock	AB-CC-222-FMM-YQ001	AB-1-222-567-YQ001

*Upon Request

T Cable



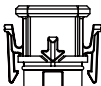
- 1 Current Rating:
(CD) 5A*
(CB) 10A*
(CC) 20A
4 For Connector 1
5 For Connector 2
Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male
*XX: Choose the cable length: 01-99m

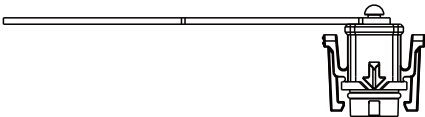
Nominal Current	No. of Contacts	Mating Style	Part Number	More Options
20A (CC)	02, 03	Push Lock	AB-CC-222-00-BH0-TQEXX	AB-1-222-00-450-TQEXX

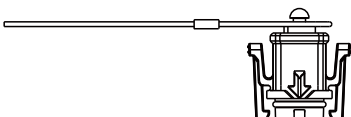
*Upon Request

Waterproof Cap

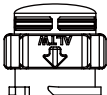
For Mating With Male

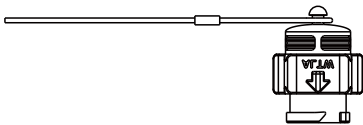

None


With Rubber Lead


With Fish Line

For Mating With Female


None


With Fish Line

More to choose:

3

None (MA) / With Rubber Lead (PC)

4

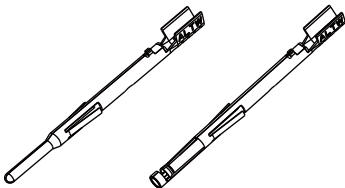
None (MA) / With Fish Line (CD)

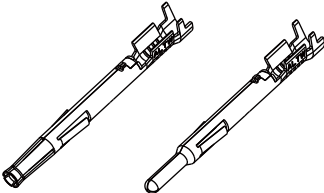
5

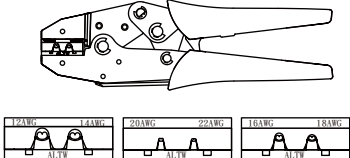
None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
C Size	Receptacle	Male	Push Lock	CAP-WACMQ 3 1
		Female		CAP-WACMQ 3 2 (Hybrid)
	Overmolded with Cable	Female		CAP-WACFQ 4 1
		Male		CAP-WACMQM 5 1
				CAP-WACMQM 5 2 (Hybrid)

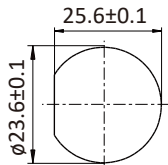
Contacts & Crimp Tool


5A

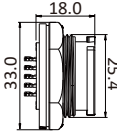

10A/20A


Crimp Tool

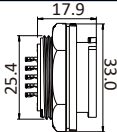
Nominal Current	Contact Gender	Part Number	Packages 6	Crimp Tool
5A	Male	ASSP-05-M-A-C-6	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-6		
10A	Male	ASSP-10-M-A-C-6		P/N: ASST-C-10-W-B (18 ~ 16AWG 0.75 ~ 1.50mm ²)
	Female	ASSP-10-F-A-C-6		
20A	Male	ASSP-20-M-A-C-6		P/N: ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-20-F-A-C-6		

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	2	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment		MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			

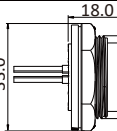
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-02P MM S-QC800P	DC-02P MF S-QC800P
	180° PCB Type (For Power Group)	DC-02P MM P-QC800P *	DC-02P MF P-QC800P *

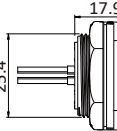
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-02R MM S-QC800P	DC-02R MF S-QC800P
	180° PCB Type (For Power Group)	DC-02R MM P-QC800P *	DC-02R MF P-QC800P *

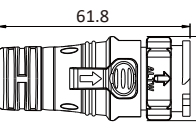
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-02P MM S-QC8B ¹¹ *	DC-02P MF S-QC8B ¹¹ *

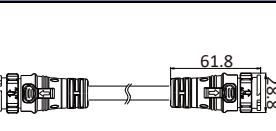
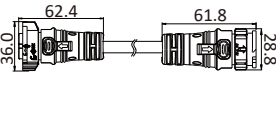
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-02R MM S-QC8B ¹¹ *	DC-02R MF S-QC8B ¹¹ *

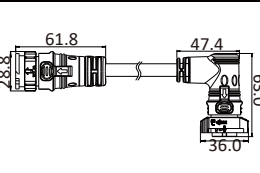
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)
¹¹ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

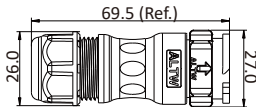
	UL SJTW, PVC Jacket (For Power Group)	DC-02A MM M-QL8E ¹¹	DC-02A MF M-QL8E ¹¹ *

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

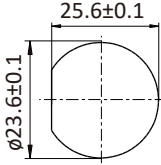
	End1: (H) MF End2: (H) MF	-	AB-DC02 HL -DCHL-QE ¹⁰
	End1: (M) MM End2: (H) MF	AB-DC02 ML -DCHL-QE ¹⁰	-
	End1: (M) MM End2: (M) MM	AB-DC02 ML -DCML-QE ¹⁰	-
	End1: (H) MF End2: (B) FM	-	AB-DC02 HL -DCBL-QE ¹⁰
	End1: (M) MM End2: (B) FM	AB-DC02 ML -DCBL-QE ¹⁰	-
	End1: (M) MM End2: (F) FF	AB-DC02 ML -DCFL-QE ¹⁰	-

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (H) MF End2: (B) FM	-	AB-DC02 HL -DCBR-QE ¹⁰
	End1: (M) MM End2: (F) FF	AB-DC02 ML -DCFR-QE ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-DC02 ML -DCBR-QE ¹⁰	-

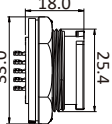
No of Contacts		2		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		
Plastic / Metal		Plastic		
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	
				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B MM G-QL8APP *	DC-02B MF G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-02B MM G-QL8SPP *	DC-02B MF G-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-02B MM G-QL8MPP *	DC-02B MF G-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-02B MM G-QL8LPP *	DC-02B MF G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B MM B-QL8APP	DC-02B MF B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-02B MM B-QL8SPP	DC-02B MF B-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-02B MM B-QL8MPP	DC-02B MF B-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-02B MM B-QL8LPP	DC-02B MF B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B MM E-QL8APP *	DC-02B MF E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-02B MM E-QL8SPP *	DC-02B MF E-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-02B MM E-QL8MPP *	DC-02B MF E-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-02B MM E-QL8LPP *	DC-02B MF E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B MM A-QL8APP	DC-02B MF A-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-02B MM A-QL8SPP	DC-02B MF A-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-02B MM A-QL8MPP	DC-02B MF A-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-02B MM A-QL8LPP	DC-02B MF A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-02B MM A-QL8ANP	DC-02B MF A-QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-02B MM A-QL8SNP	DC-02B MF A-QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-02B MM A-QL8MNP	DC-02B MF A-QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-02B MM A-QL8LNP	DC-02B MF A-QL8LNP

***Upon Request**
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	3		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		50A
Plastic / Metal		Plastic		Plastic
Pin Assignment		MM	MF	MM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				

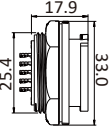
Receptacle, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-02PMM S - QC800P	DC-03PMF S - QC800P	DM-03PMM S - QC800P
	180° PCB Type (For Power Group)	DC-02PMM P - QC800P *	DC-03PMF P - QC800P *	DM-03PMM P - QC800P *

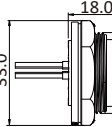
Receptacle, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

Nut Torque Value: 10 ~ 12 kgf.cm | Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm

	Solder Type (For Power Group)	DC-02RMM S - QC800P	DC-03RMF S - QC800P	DM-03RMM S - QC800P
	180° PCB Type (For Power Group)	DC-02RMM P - QC800P *	DC-03RMF P - QC800P *	DM-03RMM P - QC800P *

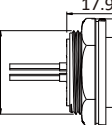
Receptacle With Wires, Circular Flange, **FRONT** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-03PMM S - QC8B ⑪ *	DC-03PMF S - QC8B ⑪ *	DM-03PMM S - QC8B ⑪ *
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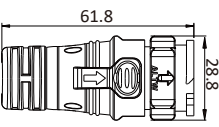
Receptacle With Wires, Circular Flange, **REAR** Fastened Nut, Push Lock, IP68 (Unmated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾ | Nut Torque Value: 4 ~ 6 kgf.cm | Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm

	UL1015, PVC Jacket	DC-03RMM S - QC8B ⑪ *	DC-03RMF S - QC8B ⑪ *	DM-03RMM S - QC8B ⑪ *
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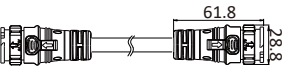
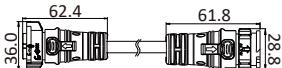
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Power Group)	-	-	DM-03AMM M - QL8C ⑪ *
	UL SJTW, PVC Jacket (For Power Group)	DC-03AMM M - QL8E ⑪	DC-03AMF M - QL8E ⑪ *	-

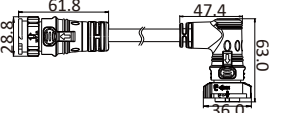
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

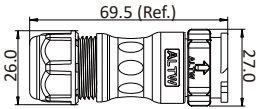
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (H) MF End2: (H) MF	-	AB-DC03HL- DCHL-QE ⑩	-
	End1: (M) MM End2: (H) MF	AB-DC03ML- DCHL-QE ⑩	-	AB-DM03ML- DCHL-QC ⑩ *
	End1: (M) MM End2: (M) MM	AB-DC030ML- DCML-QE ⑩	-	AB-DM03ML- DCML-QC ⑩ *
	End1: (H) MF End2: (B) FM	-	AB-DC03HL- DCBL-QE ⑩	-
	End1: (M) MM End2: (B) FM	AB-DC03ML- DCBL-QE ⑩	-	AB-DM03ML- DCBL-QC ⑩ *
	End1: (M) MM End2: (F) FF	AB-DC03ML- DCFL-QE ⑩	-	AB-DM03ML- DCFL-QC ⑩ *

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

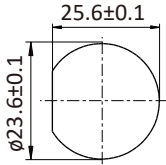
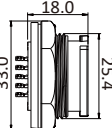
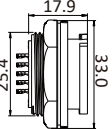
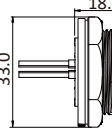
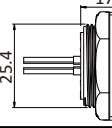
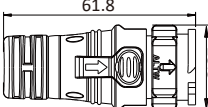
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

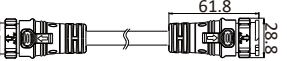
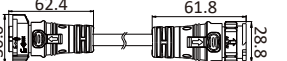
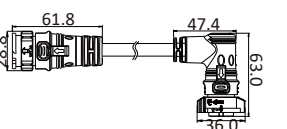
	End1: (H) MF End2: (B) FM	-	AB-DC03HL- DCBR-QE ⑩	-
	End1: (M) MM End2: (F) FF	AB-DC03ML- DCFR-QE ⑩	-	AB-DM03ML- DCFR-QC ⑩ *
	End1: (M) MM End2: (B) FM	AB-DC03ML- DCBR-QE ⑩	-	AB-DM03ML- DCBR-QC ⑩ *

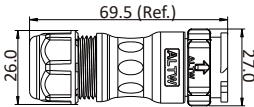
No of Contacts			3		
Rated Voltage (AC/DC)			300 ~ 600V		
Nominal Current			20A		50A
Plastic / Metal			Plastic		Plastic
Pin Assignment			MM	MF	MM
MM : Male Connector Male Contact MF : Male Connector Female Contact					
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B MMG -QL8APP *	DC-03B MF G-QL8APP *	DM-03B MMG -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B MMG -QL8SPP *	DC-03B MF G-QL8SPP *	DM-03B MMG -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B MMG -QL8MPP *	DC-03B MF G-QL8MPP *	DM-03B MMG -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B MMG -QL8LPP *	DC-03B MF G-QL8LPP *	DM-03B MMG -QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B MMB -QL8APP	DC-03B MF B-QL8APP	DM-03B MMB -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B MMB -QL8SPP	DC-03B MF B-QL8SPP	DM-03B MMB -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B MMB -QL8MPP	DC-03B MF B-QL8MPP	DM-03B MMB -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B MMB -QL8LPP	DC-03B MF B-QL8LPP	DM-03B MMB -QL8LPP *
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B MME -QL8APP *	DC-03B MF E-QL8APP *	DM-03B MME -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B MME -QL8SPP *	DC-03B MF E-QL8SPP *	DM-03B MME -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B MME -QL8MPP *	DC-03B MF E-QL8MPP *	DM-03B MME -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B MME -QL8LPP *	DC-03B MF E-QL8LPP *	DM-03B MME -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B MMA -QL8APP	DC-03B MF A-QL8APP	DM-03B MMA -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B MMA -QL8SPP	DC-03B MF A-QL8SPP	DM-03B MMA -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B MMA -QL8MPP	DC-03B MF A-QL8MPP	DM-03B MMA -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B MMA -QL8LPP	DC-03B MF A-QL8LPP	DM-03B MMA -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-03B MMA -QL8ANP	DC-03B MF A-QL8ANP	-
		8.0 ~ 10.0mm Red Seal	DC-03B MMA -QL8SNP	DC-03B MF A-QL8SNP	-
		10.1 ~ 12.0mm Yellow Seal	DC-03B MMA -QL8MNP	DC-03B MF A-QL8MNP	-
		12.1 ~ 14.0mm Blue Seal	DC-03B MMA -QL8LNP	DC-03B MF A-QL8LNP	-

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

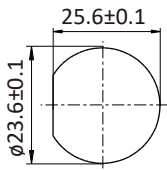
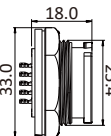
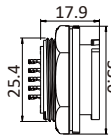
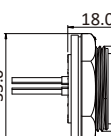
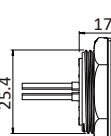
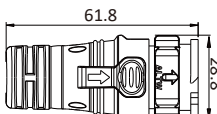
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		20A	
Plastic / Metal		Plastic	
Pin Assignment		MM	MF
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-04P MM S-QC800P	DC-04P MF S-QC800P
	180° PCB Type (For Power Group)	DC-04P MM P-QC800P *	DC-04P MF P-QC800P *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-04R MM S-QC800P	DC-04R MF S-QC800P
	180° PCB Type (For Power Group)	DC-04R MM P-QC800P *	DC-04R MF P-QC800P *
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-04P MM S-QC8B ⑪ *	DM-04P MF S-QC8B ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-04R MM S-QC8B ⑪ *	DM-04R MF S-QC8B ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A MM M-QL8E ⑪	DC-04A MF M-QL8E ⑪ *

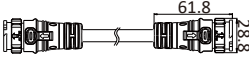
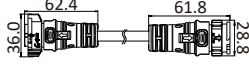
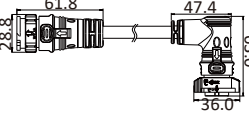
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF			
	End1: (H) MF End2: (H) MF	-	AB-DC04 HL -DCHL-QE ⑩
	End1: (M) MM End2: (H) MF	AB-DC04 ML -DCHL-QE ⑩	-
	End1: (M) MM End2: (M) MM	AB-DC04 ML -DCML-QE ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-DC04 HL -DCBL-QE ⑩
	End1: (M) MM End2: (B) FM	AB-DC04 ML -DCBL-QE ⑩	-
	End1: (M) MM End2: (F) FF	AB-DC04 ML -DCFL-QE ⑩	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF			
	End1: (H) MF End2: (B) FM	-	AB-DC04 HL -DCBR-QE ⑩
	End1: (M) MM End2: (F) FF	AB-DC04 ML -DCFR-QE ⑩	-
	End1: (M) MM End2: (B) FM	AB-DC04 ML -DCBR-QE ⑩	-

No of Contacts		4		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		
Plastic / Metal		Plastic		
Pin Assignment		MM	MF	
MM : Male Connector Male Contact MF : Male Connector Female Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B MM G-QL8APP *	DC-04B MF G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B MM G-QL8SPP *	DC-04B MF G-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-04B MM G-QL8MPP *	DC-04B MF G-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-04B MM G-QL8LPP *	DC-04B MF G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B MM B-QL8APP	DC-04B MF B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B MM B-QL8SPP	DC-04B MF B-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-04B MM B-QL8MPP	DC-04B MF B-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-04B MM B-QL8LPP	DC-04B MF B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B MM E-QL8APP *	DC-04B MF E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B MM E-QL8SPP *	DC-04B MF E-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-04B MM E-QL8MPP *	DC-04B MF E-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-04B MM E-QL8LPP *	DC-04B MF E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B MM A-QL8APP	DC-04B MF A-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B MM A-QL8SPP	DC-04B MF A-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-04B MM A-QL8MPP	DC-04B MF A-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-04B MM A-QL8LPP	DC-04B MF A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-04B MM A-QL8ANP	DC-04B MF A-QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-04B MM A-QL8SNP	DC-04B MF A-QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-04B MM A-QL8MNP	DC-04B MF A-QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-04B MM A-QL8LNP	DC-04B MF A-QL8LNP

*Upon Request

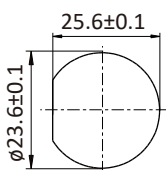
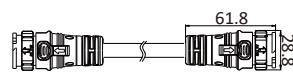
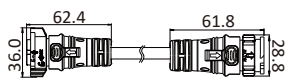
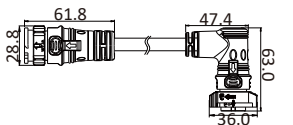
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4 (3+1)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-04P MM S- QC8001	DCD-04P MF S- QC8001	DSCD-04P MM S- QC8001	DSCD-04P MF S- QC8001
	Solder Type (For Power Group)	DCD-04P MM S- QC8001	DCD-04P MF S- QC8001	DSCD-04P MM S- QC8001	DSCD-04P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-04P MM P- QC8001 *	DCD-04P MF P- QC8001 *	DSCD-04P MM P- QC8001	DSCD-04P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-04P MM P- QC8001 *	DCD-04P MF P- QC8001 *	DSCD-04P MM P- QC8001	DSCD-04P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-04R MM S- QC8001	DCD-04R MF S- QC8001	DSCD-04R MM S- QC8001	DSCD-04R MF S- QC8001
	Solder Type (For Power Group)	DCD-04R MM S- QC8001	DCD-04R MF S- QC8001	DSCD-04R MM S- QC8001	DSCD-04R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-04R MM P- QC8001 *	DCD-04R MF P- QC8001 *	DSCD-04R MM P- QC8001	DSCD-04R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-04R MM P- QC8001 *	DCD-04R MF P- QC8001 *	DSCD-04R MM P- QC8001	DSCD-04R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-04P MM S- QC8C ⑪ *	DCD-04P MF S- QC8C ⑪ *	DSCD-04P MM S- QC8C ⑪ *	DSCD-04P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-04R MM S- QC8C ⑪ *	DCD-04R MF S- QC8C ⑪ *	DSCD-04R MM S- QC8C ⑪ *	DSCD-04R MF S- QC8C ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-04A MM M- QL8F ⑪ *	DCD-04A MF M- QL8F ⑪ *	DSCD-04A MM M- QL8F ⑪ *	DSCD-04A MF M- QL8F ⑪ *

No of Contacts		4 (3+1)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD04 HL -DCD HL -QF ¹⁰	-	AB-DSCD04 HL -DSCD HL -QF ¹⁰
	End1: (M) MM End2: (H) MF	AB-DCD04 ML -DCD HL -QF ¹⁰	-	AB-DSCD04 ML -DSCD HL -QF ¹⁰	-
	End1: (M) MM End2: (M) MM	AB-DCD04 ML -DCD ML -QF ¹⁰	-	AB-DSCD04 ML -DSCD ML -QF ¹⁰	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD04 VL -DCD VL -QF ¹⁰	-	AB-DSCD04 VL -DSCD VL -QF ¹⁰
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD04 VL -DCD UL -QF ¹⁰	-	AB-DSCD04 VL -DSCD UL -QF ¹⁰
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD04 UL -DCD UL -QF ¹⁰	-	AB-DSMD04 UL -DSMD UL -QC ¹⁰ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD04 UL -DCD XL -QF ¹⁰	-	AB-DSMD04 UL -DSMD XL -QC ¹⁰ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD04 HL -DCD BL -QF ¹⁰	-	AB-DSCD04 HL -DSCD BL -QF ¹⁰
	End1: (M) MM End2: (B) FM	AB-DCD04 ML -DCD BL -QF ¹⁰	-	AB-DSCD04 ML -DSCD BL -QF ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-DCD04 ML -DCD FL -QF ¹⁰	-	AB-DSCD04 ML -DSCD FL -QF ¹⁰	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD04 VL -DCD WL -QF ¹⁰	-	AB-DSCD04 VL -DSCD WL -QF ¹⁰
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD04 VL -DCD XL -QF ¹⁰	-	AB-DSCD04 VL -DSCD XL -QF ¹⁰
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD04 HL -DCD B R-QF ¹⁰	-	AB-DSCD04 HL -DSCD BR -QF ¹⁰
	End1: (M) MM End2: (F) FF	AB-DCD04 ML -DCD FR -QF ¹⁰	-	AB-DSCD04 ML -DSCD BR -QF ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-DCD04 ML -DCD BR -QF ¹⁰	-	AB-DSCD04 ML -DSCD FR -QF ¹⁰	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD04 UL -DCD XR -QF ¹⁰	-	AB-DSMD04 UL -DSMD XR -QC ¹⁰ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD04 VL -DCD WR -QF ¹⁰	-	AB-DSCD04 VL -DSCD WR -QF ¹⁰
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD04 VL -DCD XR -QF ¹⁰	AB-DCD04 VL -DCD XR -QF ¹⁰	AB-DSMD04 VL -DSMD XR -QC ¹⁰ *	AB-DSCD04 VL -DSCD XR -QF ¹⁰

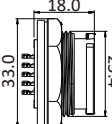
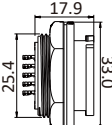
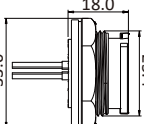
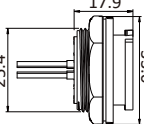
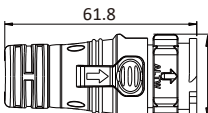
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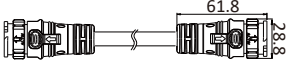
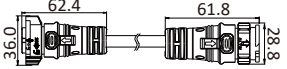
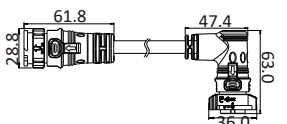
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

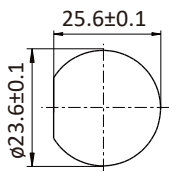
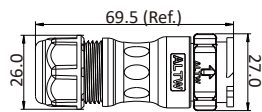
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4 (3+1)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		50A+5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment M+F : Male PWD + Female GND F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD04 VL-DMD VL-QC ⑩ *	-	AB-DSMD04 VL-DSMD VL-QC ⑩ *	
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD04 VL-DMD UL-QC ⑩ *	-	AB-DSMD04 VL-DSMD UL-QC ⑩ *	
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD04 UL-DSMD UL-QC ⑩ *	-	
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD04 UL-DSMD XL-QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD04 VL-DMD WL-QC ⑩ *	-	AB-DSMD04 VL-DSMD WL-QC ⑩ *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD04 VL-DMD XL-QC ⑩ *	-	AB-DSMD04 LL-DSMD XL-QC ⑩ *	
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD04 UL-DSMD XR-QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD04 VL-DMD WR-QC ⑩ *	-	AB-DSMD04 VL-DSMD WR-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD04 VL-DMD XR-QC ⑩ *	AB-DSMD04 VL-DSMD XR-QC ⑩ *	AB-DSMD04 VL-DSMD XR-QC ⑩ *	

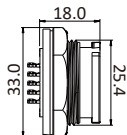
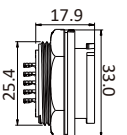
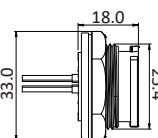
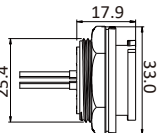
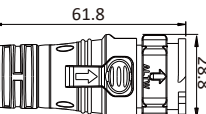
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	5		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	20A		
Plastic / Metal	Plastic		
Pin Assignment	MM	MF	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-05P MM S-QC800P	DC-05P MF S-QC800P
	180° PCB Type (For Power Group)	DC-05P MM P-QC800P *	DC-05P MF P-QC800P *
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm			
	Solder Type (For Power Group)	DC-05R MM S-QC800P	DC-05R MF S-QC800P
	180° PCB Type (For Power Group)	DC-05R MM P-QC800P *	DC-05R MF P-QC800P *
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-05P MM S-QC8B ⑪ *	DM-05P MF S-QC8B ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm			
	UL1015, PVC Jacket	DC-05R MM S-QC8B ⑪ *	DM-05R MF S-QC8B ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A MM M-QL8E ⑪	DC-05A MF M-QL8E ⑪ *

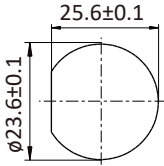
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF			
	End1: (H) MF End2: (H) MF	-	AB-DC05 HL -DCHL-QE ⑩
	End1: (M) MM End2: (H) MF	AB-DC05 ML -DCHL-QE ⑩	-
	End1: (M) MM End2: (M) MM	AB-DC05 ML -DCML-QE ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-DC05 HL -DCBL-QE ⑩
	End1: (M) MM End2: (B) FM	AB-DC05 ML -DCBL-QE ⑩	-
	End1: (M) MM End2: (F) FF	AB-DC05 ML -DCFL-QE ⑩	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF			
	End1: (H) MF End2: (B) FM		AB-DC05 HL -DCBR-QE ⑩
	End1: (M) MM End2: (F) FF	AB-DC05 ML -DCFR-QE ⑩	-
	End1: (M) MM End2: (B) FM	AB-DC05 ML -DCBR-QE ⑩	-

No of Contacts	Panel Cut Out Circular Flange (D Cut) 		5	
Rated Voltage (AC/DC)			300 ~ 600V	
Nominal Current			20A	
Plastic / Metal			Plastic	
Pin Assignment			MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact 				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B MM G-QL8APP *	DC-05B MF G-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B MM G-QL8SPP *	DC-05B MF G-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-05B MM G-QL8MPP *	DC-05B MF G-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-05B MM G-QL8LPP *	DC-05B MF G-QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B MM B-QL8APP	DC-05B MF B-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B MM B-QL8SPP	DC-05B MF B-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-05B MM B-QL8MPP	DC-05B MF B-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-05B MM B-QL8LPP	DC-05B MF B-QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B MM E-QL8APP *	DC-05B MF E-QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B MM E-QL8SPP *	DC-52B MF E-QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-05B MM E-QL8MPP *	DC-05B MF E-QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-05B MM E-QL8LPP *	DC-05B MF E-QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B MM A-QL8APP	DC-05B MF A-QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B MM A-QL8SPP	DC-05B MF A-QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-05B MM A-QL8MPP	DC-05B MF A-QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-05B MM A-QL8LPP	DC-05B MF A-QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-05B MM A-QL8ANP	DC-05B MF A-QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-05B MM A-QL8SNP	DC-05B MF A-QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-05B MM A-QL8MNP	DC-05B MF A-QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-05B MM A-QL8LNP	DC-05B MF A-QL8LNP

No of Contacts		5 (3+2)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-05P MM S- QC8001	DCD-05P MF S- QC8001	DSCD-05P MM S- QC8001	DSCD-05P MF S- QC8001
	Solder Type (For Power Group)	DCD-05P MM S- QC8001	DCD-05P MF S- QC8001	DSCD-05P MM S- QC8001	DSCD-05P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-05P MM P- QC8001 *	DCD-05P MF P- QC8001 *	DSCD-05P MM P- QC8001	DSCD-05P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-05P MM P- QC8001 *	DCD-05P MF P- QC8001 *	DSCD-05P MM P- QC8001	DSCD-05P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-05R MM S- QC8001	DCD-05R MF S- QC8001	DSCD-05R MM S- QC8001	DSCD-05R MF S- QC8001
	Solder Type (For Power Group)	DCD-05R MM S- QC8001	DCD-05R MF S- QC8001	DSCD-05R MM S- QC8001	DSCD-05R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-05R MM P- QC8001 *	DCD-05R MF P- QC8001 *	DSCD-05R MM P- QC8001	DSCD-05R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-05R MM P- QC8001 *	DCD-05R MF P- QC8001 *	DSCD-05R MM P- QC8001	DSCD-05R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-05P MM S- QC8C ⑪ *	DCD-05P MF S- QC8C ⑪ *	DSCD-05P MM S- QC8C ⑪ *	DSCD-05P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-05R MM S- QC8C ⑪ *	DCD-05R MF S- QC8C ⑪ *	DSCD-05R MM S- QC8C ⑪ *	DSCD-05R MF S- QC8C ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-05A MM M- QL8F ⑪ *	DCD-05A MF M- QL8F ⑪ *	DSD-05A MM M- QL8F ⑪ *	DSD-05A MF M- QL8F ⑪ *

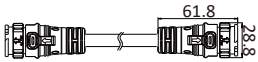
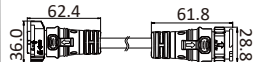
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	5 (3+2)	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		20A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment			

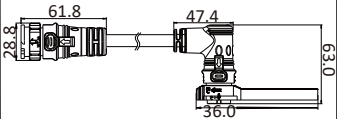
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

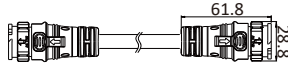
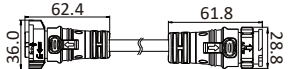
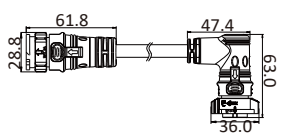
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F

	End1: (H) MF End2: (H) MF	-	AB-DCD05 HL-DCD HL-QF ⑩	-	AB-DSCD05 HL-DSCD HL-QF ⑩
	End1: (M) MM End2: (H) MF	AB-DCD05 ML-DCD HL-QF ⑩	-	AB-DSCD05 ML-DSCD HL-QF ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD05 ML-DCD ML-QF ⑩	-	AB-DSCD05 ML-DSCD ML-QF ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD05 VL-DCD VL-QF ⑩	-	AB-DSCD05 VL-DSCD VL-QF ⑩
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD05 VL-DCD UL-QF ⑩	-	AB-DSCD05 VL-DSCD UL-QF ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD05 UL-DCD UL-QF ⑩	-	AB-DSMD05 UL-DSMD UL-QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD05 UL-DCD XL-QF ⑩	-	AB-DSMD05 UL-DSMD XL-QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD05 HL-DCD BL-QF ⑩	-	AB-DSCD05 HL-DSCD BL-QF ⑩
	End1: (M) MM End2: (B) FM	AB-DCD05 ML-DCD BL-QF ⑩	-	AB-DSCD05 ML-DSCD BL-QF ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD05 ML-DCD FL-QF ⑩	-	AB-DSCD05 ML-DSCD FL-QF ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD05 VL-DCD WL-QF ⑩	-	AB-DSCD05 VL-DSCD WL-QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD05 VL-DCD XL-QF ⑩	-	AB-DSCD05 VL-DSCD XL-QF ⑩

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

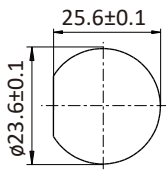
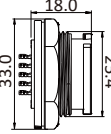
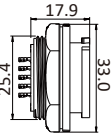
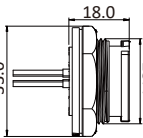
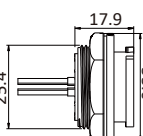
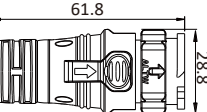
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F

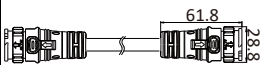
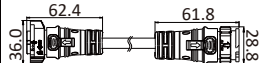
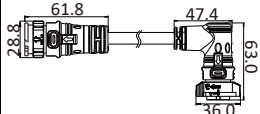
	End1: (H) MF End2: (B) FM	-	AB-DCD05 HL-DCD BR-QF ⑩	-	AB-DSCD05 HL-DSCD BR-QF ⑩
	End1: (M) MM End2: (F) FF	AB-DCD05 ML-DCD FR-QF ⑩	-	AB-DSCD05 ML-DSCD BR-QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD05 ML-DCD BR-QF ⑩	-	AB-DSCD05 ML-DSCD FR-QF ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD05 UL-DCD XR-QF ⑩	-	AB-DSMD05 UL-DSMD XR-QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD05 VL-DCD WR-QF ⑩	-	AB-DSCD05 VL-DSCD WR-QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD05 VL-DCD XR-QF ⑩	AB-DCD05 VL-DCD XR-QF ⑩	AB-DSMD05 VL-DSMD XR-QC ⑩ *	AB-DSCD05 VL-DSCD XR-QF ⑩

No of Contacts		5 (3+2)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment				
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD05 VL -DMD VL -QC ⑩ *	-	AB-DSMD05 VL -DSMD VL -QC ⑩ *
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD05 VL -DMD UL -QC ⑩ *	-	AB-DSMD05 VL -DSMD UL -QC ⑩ *
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD05 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD05 UL -DSMD XL -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD05 VL -DMD WL -QC ⑩ *	-	AB-DSMD05 VL -DSMD WL -QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD05 VL -DMD XL -QC ⑩ *	-	AB-DSMD05 VL -DSMD XL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD05 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD05 VL -DMD WR -QC ⑩ *	-	AB-DSMD05 VL -DSMD WR -QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD05 VL -DMD XR -QC ⑩ *	AB-DSMD05 VL -DSMD XR -QC ⑩ *	AB-DSMD05 VL -DSMD XR -QC ⑩ *

*Upon Request

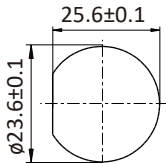
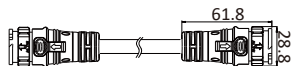
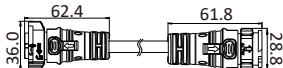
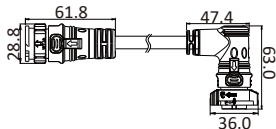
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

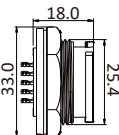
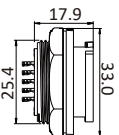
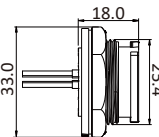
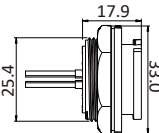
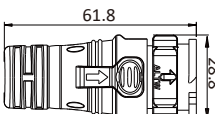
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	6 (3+3)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-06P MM S- QC8001	DCD-06P MF S- QC8001	DSCD-06P MM S- QC8001	DSCD-06P MF S- QC8001
	Solder Type (For Power Group)	DCD-06P MM S- QC8001	DCD-06P MF S- QC8001	DSCD-06P MM S- QC8001	DSCD-06P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-06P MM P- QC8001 *	DCD-06P MF P- QC8001 *	DSCD-06P MM P- QC8001	DSCD-06P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-06P MM P- QC8001 *	DCD-06P MF P- QC8001 *	DSCD-06P MM P- QC8001	DSCD-06P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-06R MM S- QC8001	DCD-06R MF S- QC8001	DSCD-06R MM S- QC8001	DSCD-06R MF S- QC8001
	Solder Type (For Power Group)	DCD-06R MM S- QC8001	DCD-06R MF S- QC8001	DSCD-06R MM S- QC8001	DSCD-06R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-06R MM P- QC8001 *	DCD-06R MF P- QC8001 *	DSCD-06R MM P- QC8001	DSCD-06R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-06R MM P- QC8001 *	DCD-06R MF P- QC8001 *	DSCD-06R MM P- QC8001	DSCD-06R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-06P MM S- QC8C 11 *	DCD-06P MF S- QC8C 11 *	DSCD-06P MM S- QC8C 11 *	DSCD-06P MF S- QC8C 11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-06R MM S- QC8C 11 *	DCD-06R MF S- QC8C 11 *	DSCD-06R MM S- QC8C 11 *	DSCD-06R MF S- QC8C 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL2157, PVC Jacket (For Hybrid Group)	DCD-06A MM M- QL8C 11 *	DCD-06A MF M- QL8C 11 *	DSCD-06A MM M- QL8C 11 *	DSCD-06A MF M- QL8C 11 *

No of Contacts		6 (3+3)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD06 HL -DCD HL -QC ⑩	-	AB-DSCD06 HL -DSCD HL -QC ⑩
	End1: (M) MM End2: (H) MF	AB-DCD06 ML -DCD HL -QC ⑩	-	AB-DSCD06 ML -DSCD HL -QC ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD06 ML -DCD ML -QC ⑩	-	AB-DSCD06 ML -DSCD ML -QC ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD06 VL -DCD VL -QC ⑩	-	AB-DSCD06 VL -DSCD VL -QC ⑩
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD06 VL -DCD UL -QC ⑩	-	AB-DSCD06 VL -DSCD UL -QC ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD06 UL -DCD UL -QC ⑩	-	AB-DSMD06 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD06 UL -DCD XL -QC ⑩	-	AB-DSMD06 UL -DSMD XL -QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD06 HL -DCD BL -QC ⑩	-	AB-DSCD06 HL -DSCD BL -QC ⑩
	End1: (M) MM End2: (B) FM	AB-DCD06 ML -DCD BL -QC ⑩	-	AB-DSCD06 ML -DSCD BL -QC ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD06 ML -DCD FL -QC ⑩	-	AB-DSCD06 ML -DSCD FL -QC ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD06 VL -DCD WL -QC ⑩	-	AB-DSCD06 VL -DSCD WL -QC ⑩
	End1: (V) M/M+F End2: (X) F/M+FV	-	AB-DCD06 VL -DCD XL -QC ⑩	-	AB-DSCD06 VL -DSCD XL -QC ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD06 HL -DCD BR -QC ⑩	-	AB-DSCD06 HL -DSCD BR -QC ⑩
	End1: (M) MM End2: (F) FF	AB-DCD06 ML -DCD FR -QC ⑩	-	AB-DSCD06 ML -DSCD BR -QC ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD06 ML -DCD BR -QC ⑩	-	AB-DSCD06 ML -DSCD FR -QC ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD06 UL -DCD XR -QC ⑩	-	AB-DSMD06 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD06 VL -DCD WR -QC ⑩	-	AB-DSCD06 VL -DSCD WR -QC ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD06 VL -DCD XR -QC ⑩	AB-DCD06 VL -DCD XR -QC ⑩	AB-DSMD06 VL -DSMD XR -QC ⑩ *	AB-DSCD06 VL -DSCD XR -QC ⑩

*Upon Request

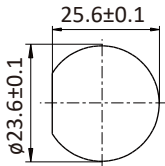
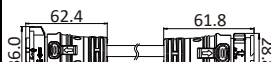
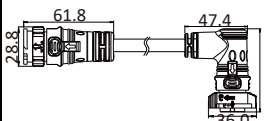
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	6 (3+3)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		50A+5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment M+F : Male PWD + Female GND F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD06 VL -DMD VL -QC 10 *	-	AB-DSMD06 VL -DSMD VL -QC 10 *	
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD06 VL -DMD UL -QC 10 *	-	AB-DSMD06 VL -DSMD UL -QC 10 *	
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD06 UL -DSMD UL -QC 10 *	-	
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD06 UL -DSMD XL -QC 10 *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD06 VL -DMD WL -QC 10 *	-	AB-DSMD06 VL -DSMD WL -QC 10 *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD06 VL -DMD XL -QC 10 *	-	AB-DSMD06 VL -DSMD XL -QC 10 *	
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD06 UL -DSMD XR -QC 10 *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD06 VL -DMD WR -QC 10 *	-	AB-DSMD06 VL -DSMD WR -QC 10 *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD06 VL -DMD XR -QC 10 *	AB-DSMD06 VL -DSMD XR -QC 10 *	AB-DSMD06 VL -DSMD XR -QC 10 *	

No of Contacts		7 (3+4)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-07P MM S- QC8001	DCD-07P MF S- QC8001	DSCD-07P MM S- QC8001	DSCD-07P MF S- QC8001
	Solder Type (For Power Group)	DCD-07P MM S- QC8001	DCD-07P MF S- QC8001	DSCD-07P MM S- QC8001	DSCD-07P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-07P MM P- QC8001 *	DCD-07P MF P- QC8001 *	DSCD-07P MM P- QC8001	DSCD-07P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-07P MM P- QC8001 *	DCD-07P MF P- QC8001 *	DSCD-07P MM P- QC8001	DSCD-07P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-07R MM S- QC8001	DCD-07R MF S- QC8001	DSCD-07R MM S- QC8001	DSCD-07R MF S- QC8001
	Solder Type (For Power Group)	DCD-07R MM S- QC8001	DCD-07R MF S- QC8001	DSCD-07R MM S- QC8001	DSCD-07R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-07R MM P- QC8001 *	DCD-07R MF P- QC8001 *	DSCD-07R MM P- QC8001	DSCD-07R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-07R MM P- QC8001 *	DCD-07R MF P- QC8001 *	DSCD-07R MM P- QC8001	DSCD-07R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-07P MM S- QC8C 11 *	DCD-07P MF S- QC8C 11 *	DSCD-07P MM S- QC8C 11 *	DSCD-07P MF S- QC8C 11 *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-07R MM S- QC8C 11 *	DCD-07R MF S- QC8C 11 *	DSCD-07R MM S- QC8C 11 *	DSCD-07R MF S- QC8C 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A MM M- QL8F 11 *	DCD-07A MF M- QL8F 11 *	DSD-07A MM M- QL8F 11 *	DSD-07A MF M- QL8F 11 *

*Upon Request

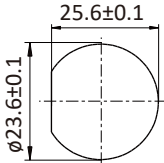
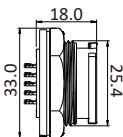
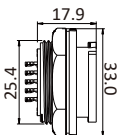
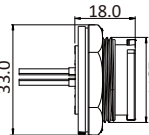
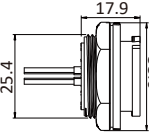
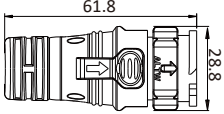
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

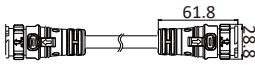
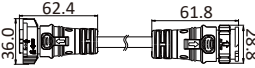
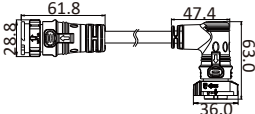
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	7 (3+4)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD07 HL -DCD HL -QF 10	-	AB-DSCD07 HL -DSCD HL -QF 10
	End1: (M) MM End2: (H) MF	AB-DCD07 ML -DCD HL -QF 10	-	AB-DSCD07 ML -DSCD HL -QF 10	-
	End1: (M) MM End2: (M) MM	AB-DCD07 ML -DCD ML -QF 10	-	AB-DSCD07 ML -DSCD ML -QF 10	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD07 VL -DCD VL -QF 10	-	AB-DSCD07 VL -DSCD VL -QF 10
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD07 VL -DCD UL -QF 10	-	AB-DSCD07 VL -DSCD UL -QF 10
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD07 UL -DCD UL -QF 10	-	AB-DSMD07 UL -DSMD UL -QC 10 *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD07 UL -DCD XL -QF 10	-	AB-DSMD07 UL -DSMD XL -QC 10 *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD07 HL -DCD BL -QF 10	-	AB-DSCD07 HL -DSCD BL -QF 10
	End1: (M) MM End2: (B) FM	AB-DCD07 ML -DCD BL -QF 10	-	AB-DSCD07 ML -DSCD BL -QF 10	-
	End1: (M) MM End2: (F) FF	AB-DCD07 ML -DCD FL -QF 10	-	AB-DSCD07 ML -DSCD FL -QF 10	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD07 VL -DCD WL -QF 10	-	AB-DSCD07 VL -DSCD WL -QF 10
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD07 VL -DCD XL -QF 10	-	AB-DSCD07 VL -DSCD XL -QF 10
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD07 HL -DCD BR -QF 10	-	AB-DSCD07 HL -DSCD BR -QF 10
	End1: (M) MM End2: (F) FF	AB-DCD07 ML -DCD FR -QF 10	-	AB-DSCD07 ML -DSCD BR -QF 10	-
	End1: (M) MM End2: (B) FM	AB-DCD07 ML -DCD BR -QF 10	-	AB-DSCD07 ML -DSCD FR -QF 10	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD07 UL -DCD XR -QF 10	-	AB-DSMD07 UL -DSMD XR -QC 10 *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD07 VL -DCD WR -QF 10	-	AB-DSCD07 VL -DSCD WR -QF 10
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD07 VL -DCD XR -QF 10	AB-DCD07 VL -DCD XR -QF 10	AB-DSMD07 VL -DSMD XR -QC 10 *	AB-DSCD07 VL -DSCD XR -QF 10

No of Contacts		7 (3+4)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ³⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD07 VL -DMD VL -QC ⑩ *	-	AB-DSMD07 VL -DSMD VL -QC ⑩ *
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD07 VL -DMD UL -QC ⑩ *	-	AB-DSMD07 VL -DSMD UL -QC ⑩ *
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD07 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD07 UL -DSMD XL -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD07 VL -DMD WL -QC ⑩ *	-	AB-DSMD07 VL -DSMD WL -QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD07 VL -DMD XL -QC ⑩ *	-	AB-DSMD07 VL -DSMD XL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ³⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD07 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD07 VL -DMD WR -QC ⑩ *	-	AB-DSMD07 VL -DSMD WR -QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD07 VL -DMD XR -QC ⑩ *	AB-DSMD07 VL -DSMD XR -QC ⑩ *	AB-DSMD07 VL -DSMD XR -QC ⑩ *

*Upon Request

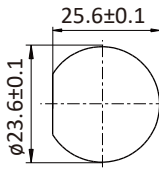
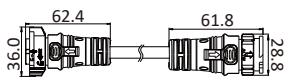
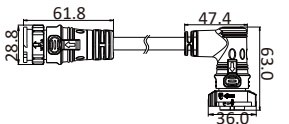
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

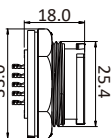
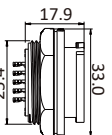
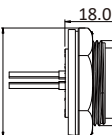
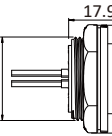
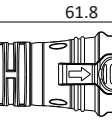
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	8 (3+5)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-08P MM S- QC8001	DCD-08P MF S- QC8001	DSCD-08P MM S- QC8001	DSCD-08P MF S- QC8001
	Solder Type (For Power Group)	DCD-08P MM S- QC8001	DCD-08P MF S- QC8001	DSCD-08P MM S- QC8001	DSCD-08P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-08P MM P- QC8001 *	DCD-08P MF P- QC8001 *	DSCD-08P MM P- QC8001	DSCD-08P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-08P MM P- QC8001 *	DCD-08P MF P- QC8001 *	DSCD-08P MM P- QC8001	DSCD-08P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-08R MM S- QC8001	DCD-08R MF S- QC8001	DSCD-08R MM S- QC8001	DSCD-08R MF S- QC8001
	Solder Type (For Power Group)	DCD-08R MM S- QC8001	DCD-08R MF S- QC8001	DSCD-08R MM S- QC8001	DSCD-08R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-08R MM P- QC8001 *	DCD-08R MF P- QC8001 *	DSCD-08R MM P- QC8001	DSCD-08R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-08R MM P- QC8001 *	DCD-08R MF P- QC8001 *	DSCD-08R MM P- QC8001	DSCD-08R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-08P MM S- QC8C ⑪ *	DCD-08P MF S- QC8C ⑪ *	DSCD-08P MM S- QC8C ⑪ *	DSCD-08P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-08R MM S- QC8C ⑪ *	DCD-08R MF S- QC8C ⑪ *	DSCD-08R MM S- QC8C ⑪ *	DSCD-08R MF S- QC8C ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-08A MM M- QL8F ⑪ *	DCD-08A MF M- QL8F ⑪ *	DSD-08A MM M- QL8F ⑪ *	DSD-08A MF M- QL8F ⑪ *

No of Contacts	8 (3+5)				
Rated Voltage (AC/DC)	300 ~ 600V				
Nominal Current	20A+5A				
Plastic / Metal	Plastic		Metal		
Pin Assignment					
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD08 HL -DCD HL -QF ⑩	-	AB-DSCD08 HL -DSCD HL -QF ⑩
	End1: (M) MM End2: (H) MF	AB-DCD08 ML -DCD HL -QF ⑩	-	AB-DSCD08 ML -DSCD HL -QF ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD08 ML -DCD ML -QF ⑩	-	AB-DSCD08 ML -DSCD ML -QF ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD08 VL -DCD VL -QF ⑩	-	AB-DSCD08 VL -DSCD VL -QF ⑩
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD08 VL -DCD UL -QF ⑩	-	AB-DSCD08 VL -DSCD UL -QF ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD08 UL -DCD UL -QF ⑩	-	AB-DSMD08 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD08 UL -DCD XL -QF ⑩	-	AB-DSMD08 UL -DSMD XL -QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD08 HL -DCD BL -QF ⑩	-	AB-DSCD08 HL -DSCD BL -QF ⑩
	End1: (M) MM End2: (B) FM	AB-DCD08 ML -DCD BL -QF ⑩	-	AB-DSCD08 ML -DSCD BL -QF ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD08 ML -DCD FL -QF ⑩	-	AB-DSCD08 ML -DSCD FL -QF ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD08 VL -DCD WL -QF ⑩	-	AB-DSCD08 VL -DSCD WL -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD08 VL -DCD XL -QF ⑩	-	AB-DSCD08 VL -DSCD XL -QF ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD08 HL -DCD BR -QF ⑩	-	AB-DSCD08 HL -DSCD BR -QF ⑩
	End1: (M) MM End2: (F) FF	AB-DCD08 ML -DCD FR -QF ⑩	-	AB-DSCD08 ML -DSCD BR -QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD08 ML -DCD BR -QF ⑩	-	AB-DSCD08 ML -DSCD FR -QF ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD08 UL -DCD XR -QF ⑩	-	AB-DSMD08 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD08 VL -DCD WR -QF ⑩	-	AB-DSCD08 VL -DSCD WR -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD08 VL -DCD XR -QF ⑩	AB-DCD08 VL -DCD XR -QF ⑩	AB-DSMD08 VL -DSMD XR -QC ⑩ *	AB-DSCD08 VL -DSCD XR -QF ⑩

*Upon Request

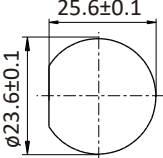
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	8 (3+5)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		50A+5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD08 VL -DMD VL -QC ⑩ *	-	AB-DSMD08 VL -DSMD VL -QC ⑩ *	
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD08 VL -DMD UL -QC ⑩ *	-	AB-DSMD08 VL -DSMD UL -QC ⑩ *	
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD08 UL -DSMD UL -QC ⑩ *	-	
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD08 UL -DSMD XL -QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD08 VL -DMD WL -QC ⑩ *	-	AB-DSMD08 VL -DSMD WL -QC ⑩ *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD08 VL -DMD XL -QC ⑩ *	-	AB-DSMD08 VL -DSMD XL -QC ⑩ *	
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD08 UL -DSMD XR -QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD08 VL -DMD WR -QC ⑩ *	-	AB-DSMD08 VL -DSMD WR -QC ⑩ *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD08 VL -DMD XR -QC ⑩ *	AB-DSMD08 VL -DSMD XR -QC ⑩ *	AB-DSMD08 VL -DSMD XR -QC ⑩ *	

No of Contacts		9 (3+6)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type, (For Data Group)	DCD-09P MM S- QC8001	DCD-09P MF S- QC8001	DSCD-09P MM S- QC8001	DSCD-09P MF S- QC8001
	Solder Type, (For Power Group)	DCD-09P MM S- QC8001	DCD-09P MF S- QC8001	DSCD-09P MM S- QC8001	DSCD-09P MF S- QC8001
	180° PCB Type, (For Data Group)	DCD-09P MM P- QC8001 *	DCD-09P MF P- QC8001 *	DSCD-09P MM P- QC8001	DSCD-09P MF P- QC8001
	180° PCB Type, (For Power Group)	DCD-09P MM P- QC8001 *	DCD-09P MF P- QC8001 *	DSCD-09P MM P- QC8001	DSCD-09P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type, (For Data Group)	DCD-09R MM S- QC8001	DCD-09R MF S- QC8001	DSCD-09R MM S- QC8001	DSCD-09R MF S- QC8001
	Solder Type, (For Power Group)	DCD-09R MM S- QC8001	DCD-09R MF S- QC8001	DSCD-09R MM S- QC8001	DSCD-09R MF S- QC8001
	180° PCB Type, (For Data Group)	DCD-09R MM P- QC8001 *	DCD-09R MF P- QC8001 *	DSCD-09R MM P- QC8001	DSCD-09R MF P- QC8001
	180° PCB Type, (For Power Group)	DCD-09R MM P- QC8001 *	DCD-09R MF P- QC8001 *	DSCD-09R MM P- QC8001	DSCD-09R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-09P MM S- QC8C ⑪ *	DCD-09P MF S- QC8C ⑪ *	DSCD-09P MM S- QC8C ⑪ *	DSCD-09P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-09R MM S- QC8C ⑪ *	DCD-09R MF S- QC8C ⑪ *	DSCD-09R MM S- QC8C ⑪ *	DSCD-09R MF S- QC8C ⑪ *
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A MM M- QL8F ⑪ *	DCD-09A MF M- QL8F ⑪ *	DSD-09A MM M- QL8F ⑪ *	DSD-09A MF M- QL8F ⑪ *

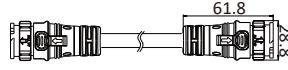
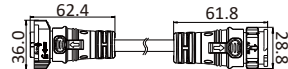
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	9 (3+6)	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		20A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment			

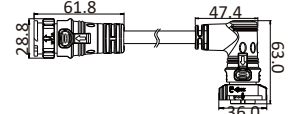
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

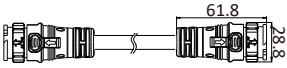
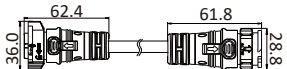
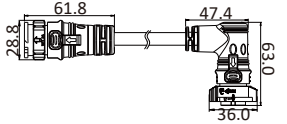
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F

	End1: (H) MF End2: (H) MF	-	AB-DCD09 HL-DCD HL-QF ⑩	-	AB-DSCD09 HL-DSCD HL-QF ⑩
	End1: (M) MM End2: (H) MF	AB-DCD09 ML-DCD HL-QF ⑩		AB-DSCD09 ML-DSCD HL-QF ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD09 ML-DCD ML-QF ⑩		AB-DSCD09 ML-DSCD ML-QF ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD09 VL-DCD VL-QF ⑩	-	AB-DSCD09 VL-DSCD VL-QF ⑩
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD09 VL-DCD UL-QF ⑩	-	AB-DSCD09 VL-DSCD UL-QF ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD09 UL-DCD UL-QF ⑩	-	AB-DSMD09 UL-DSMD UL-QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD09 UL-DCD XL-QF ⑩	-	AB-DSMD09 UL-DSMD XL-QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD09 HL-DCD BL-QF ⑩	-	AB-DSCD09 HL-DSCD BL-QF ⑩
	End1: (M) MM End2: (B) FM	AB-DCD09 ML-DCD BL-QF ⑩		AB-DSCD09 ML-DSCD BL-QF ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD09 ML-DCD FL-QF ⑩		AB-DSCD09 ML-DSCD FL-QF ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD09 VL-DCD WL-QF ⑩	-	AB-DSCD09 VL-DSCD WL-QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD09 VL-DCD XL-QF ⑩	-	AB-DSCD09 VL-DSCD XL-QF ⑩

Overmolded With Cable Double Ended (Straight To Right Angle, Push Lock, IP68)

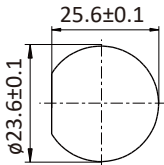
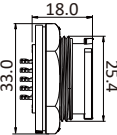
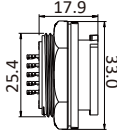
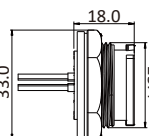
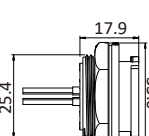
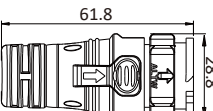
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F

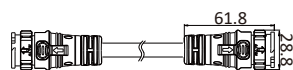
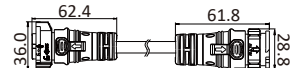
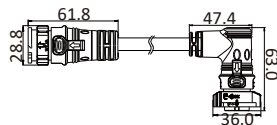
	End1: (H) MF End2: (B) FM	-	AB-DCD09 HL-DCD BR-QF ⑩	-	AB-DSCD09 HL-DSCD BR-QF ⑩
	End1: (M) MM End2: (F) FF	AB-DCD09 ML-DCD FR-QF ⑩	-	AB-DSCD09 ML-DSCD BR-QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD09 ML-DCD BR-QF ⑩	-	AB-DSCD09 ML-DSCD FR-QF ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD09 UL-DCD XR-QF ⑩	-	AB-DSMD09 UL-DSMD XR-QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD09 VL-DCD WR-QF ⑩	-	AB-DSCD09 VL-DSCD WR-QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD09 VL-DCD XR-QF ⑩	AB-DCD09 VL-DCD XR-QF ⑩	AB-DSMD09 VL-DSMD XR-QC ⑩ *	AB-DSCD09 VL-DSCD XR-QF ⑩

No of Contacts		9 (3+6)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD09 VL-DMD VL-QC ⑩ *	-	AB-DSMD09 VL-DSMD VL-QC ⑩ *
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD09 VL-DMD UL-QC ⑩ *	-	AB-DSMD09 VL-DSMD UL-QC ⑩ *
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD09 UL-DSMD UL-QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD09 UL-DSMD XL-QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD09 VL-DMD WL-QC ⑩ *	-	AB-DSMD09 VL-DSMD WL-QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD09 VL-DMD XL-QC ⑩ *	-	AB-DSMD09 VL-DSMD XL-QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD09 UL-DSMD XR-QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD09 VL-DMD WR-QC ⑩ *	-	AB-DSMD09 VL-DSMD WR-QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD09 VL-DMD XR-QC ⑩ *	AB-DSMD09 VL-DSMD XR-QC ⑩ *	AB-DSMD09 VL-DSMD XR-QC ⑩ *

*Upon Request

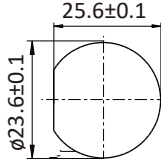
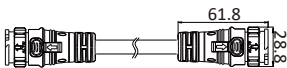
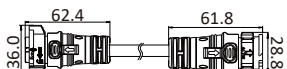
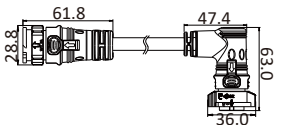
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

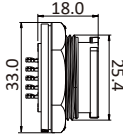
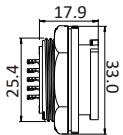
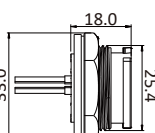
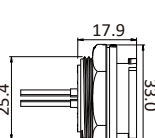
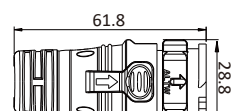
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	10 (3+7)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-10P MM S- QC8001	DCD-10P MF S- QC8001	DSCD-10P MM S- QC8001	DSCD-10P MF S- QC8001
	Solder Type (For Power Group)	DCD-10P MM S- QC8001	DCD-10P MF S- QC8001	DSCD-10P MM S- QC8001	DSCD-10P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-10P MM P- QC8001 *	DCD-10P MF P- QC8001 *	DSCD-10P MM P- QC8001	DSCD-10P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-10P MM P- QC8001 *	DCD-10P MF P- QC8001 *	DSCD-10P MM P- QC8001	DSCD-10P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-10R MM S- QC8001	DCD-10R MF S- QC8001	DSCD-10R MM S- QC8001	DSCD-10R MF S- QC8001
	Solder Type (For Power Group)	DCD-10R MM S- QC8001	DCD-10R MF S- QC8001	DSCD-10R MM S- QC8001	DSCD-10R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-10R MM P- QC8001 *	DCD-10R MF P- QC8001 *	DSCD-10R MM P- QC8001	DSCD-10R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-10R MM P- QC8001 *	DCD-10R MF P- QC8001 *	DSCD-10R MM P- QC8001	DSCD-10R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-10P MM S- QC8C ⑪ *	DCD-10P MF S- QC8C ⑪ *	DSCD-10P MM S- QC8C ⑪ *	DSCD-10P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-10R MM S- QC8C ⑪ *	DCD-10R MF S- QC8C ⑪ *	DSCD-10R MM S- QC8C ⑪ *	DSCD-10R MF S- QC8C ⑪ *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A MM M- QL8F ⑪ *	DCD-10A MF M- QL8F ⑪ *	DSD-10A MM M- QL8F ⑪ *	DSD-10A MF M- QL8F ⑪ *

No of Contacts		10 (3+7)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD10 HL -DCD HL -QF ⑩	-	AB-DSCD10 HL -DSCD HL -QF ⑩
	End1: (M) MM End2: (H) MF	AB-DCD10 ML -DCD HL -QF ⑩		AB-DSCD10 ML -DSCD HL -QF ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD10 ML -DCD ML -QF ⑩		AB-DSCD10 ML -DSCD ML -QF ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD10 VL -DCD VL -QF ⑩	-	AB-DSCD10 VL -DSCD VL -QF ⑩
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD10 VL -DCD UL -QF ⑩	-	AB-DSCD10 VL -DSCD UL -QF ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD10 UL -DCD UL -QF ⑩	-	AB-DSMD10 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD10 UL -DCD XL -QF ⑩	-	AB-DSMD10 UL -DSMD XL -QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD10 HL -DCD BL -QF ⑩	-	AB-DSCD10 HL -DSCD BL -QF ⑩
	End1: (M) MM End2: (B) FM	AB-DCD10 ML -DCD BL -QF ⑩		AB-DSCD10 ML -DSCD BL -QF ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD10 ML -DCD FL -QF ⑩		AB-DSCD10 ML -DSCD FL -QF ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD10 VL -DCD WL -QF ⑩	-	AB-DSCD10 VL -DSCD WL -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD10 VL -DCD XL -QF ⑩	-	AB-DSCD10 VL -DSCD XL -QF ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD10 HL -DCD BR -QF ⑩	-	AB-DSCD10 HL -DSCD BR -QF ⑩
	End1: (M) MM End2: (F) FF	AB-DCD10 ML -DCD FR -QF ⑩	-	AB-DSCD10 ML -DSCD BR -QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD10 ML -DCD BR -QF ⑩	-	AB-DSCD10 ML -DSCD FR -QF ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD10 UL -DCD XR -QF ⑩	-	AB-DSMD10 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD10 VL -DCD WR -QF ⑩	-	AB-DSCD10 VL -DSCD WR -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD10 VL -DCD XR -QF ⑩	AB-DCD10 VL -DCD XR -QF ⑩	AB-DSMD10 VL -DSMD XR -QC ⑩ *	AB-DSCD10 VL -DSCD XR -QF ⑩

*Upon Request

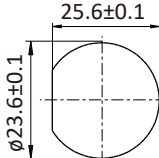
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	10 (3+7)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		50A+5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment					
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD10VL-DMD VL-QC ⑩ *	-	AB-DSMD10VL-DSMD VL-QC ⑩ *	
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD10VL-DMD UL-QC ⑩ *	-	AB-DSMD10VL-DSMD UL-QC ⑩ *	
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD10UL-DSMD UL-QC ⑩ *	-	
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD10UL-DSMD XL-QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD10VL-DMD WL-QC ⑩ *	-	AB-DSMD10VL-DSMD WL-QC ⑩ *	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD10VL-DMD XL-QC ⑩ *	-	AB-DSMD10VL-DSMD XL-QC ⑩ *	
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD10UL-DSMD XR-QC ⑩ *	-	
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD10VL-DMD WR-QC ⑩ *	-	AB-DSMD10VL-DSMD WR-	
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD10VL-DMD XR-QC ⑩ *	AB-DSMD10VL-DSMD XR-QC ⑩ *	AB-DSMD10VL-DSMD XR-QC ⑩ *	

No of Contacts		11 (3+8)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-11P MM S- QC8001	DCD-11P MF S- QC8001	DSCD-11P MM S- QC8001	DSCD-11P MF S- QC8001
	Solder Type (For Power Group)	DCD-11P MM S- QC8001	DCD-11P MF S- QC8001	DSCD-11P MM S- QC8001	DSCD-11P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-11P MM P- QC8001 *	DCD-11P MF P- QC8001 *	DSCD-11P MM P- QC8001	DSCD-11P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-11P MM P- QC8001 *	DCD-11P MF P- QC8001 *	DSCD-11P MM P- QC8001	DSCD-11P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-11R MM S- QC8001	DCD-11R MF S- QC8001	DSCD-11R MM S- QC8001	DSCD-11R MF S- QC8001
	Solder Type (For Power Group)	DCD-11R MM S- QC8001	DCD-11R MF S- QC8001	DSCD-11R MM S- QC8001	DSCD-11R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-11R MM P- QC8001 *	DCD-11R MF P- QC8001 *	DSCD-11R MM P- QC8001	DSCD-11R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-11R MM P- QC8001 *	DCD-11R MF P- QC8001 *	DSCD-11R MM P- QC8001	DSCD-11R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-11P MM S- QC8C ⑪ *	DCD-11P MF S- QC8C ⑪ *	DSCD-11P MM S- QC8C ⑪ *	DSCD-11P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-11R MM S- QC8C ⑪ *	DCD-11R MF S- QC8C ⑪ *	DSCD-11R MM S- QC8C ⑪ *	DSCD-11R MF S- QC8C ⑪ *
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11A MM M- QL8F ⑪ *	DCD-11A MF M- QL8F ⑪ *	DSD-11A MM M- QL8F ⑪ *	DSD-11A MF M- QL8F ⑪ *

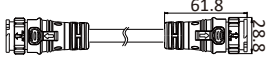
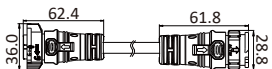
*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	11 (3+8)	
Rated Voltage (AC/DC)		300 ~ 600V	
Nominal Current		20A+5A	
Plastic / Metal		Plastic	Metal
Pin Assignment			
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND			

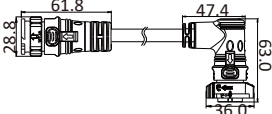
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F

	End1: (H) MF End2: (H) MF	-	AB-DCD11 HL-DCD HL-QF ¹⁰	-	AB-DSCD11 HL-DSCD HL-QF ¹⁰
	End1: (M) MM End2: (H) MF	AB-DCD11 ML-DCD HL-QF ¹⁰	-	AB-DSCD11 ML-DSCD HL-QF ¹⁰	-
	End1: (M) MM End2: (M) MM	AB-DCD11 ML-DCD ML-QF ¹⁰	-	AB-DSCD11 ML-DSCD ML-QF ¹⁰	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD11 VL-DCD VL-QF ¹⁰	-	AB-DSCD11 VL-DSCD VL-QF ¹⁰
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DCD11 VL-DCD UL-QF ¹⁰	-	AB-DSCD11 VL-DSCD UL-QF ¹⁰
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD11 UL-DCD UL-QF ¹⁰	-	AB-DSMD11 UL-DSMD UL-QC ¹⁰ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD11 UL-DCD XL-QF ¹⁰	-	AB-DSMD11 UL-DSMD XL-QC ¹⁰ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD11 HL-DCD BL-QF ¹⁰	-	AB-DSCD11 HL-DSCD BL-QF ¹⁰
	End1: (M) MM End2: (B) FM	AB-DCD11 ML-DCD BL-QF ¹⁰	-	AB-DSCD11 ML-DSCD BL-QF ¹⁰	-
	End1: (M) MM End2: (F) FF	AB-DCD11 ML-DCD FL-QF ¹⁰	-	AB-DSCD11 ML-DSCD FL-QF ¹⁰	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD11 VL-DCD WL-QF ¹⁰	-	AB-DSCD11 VL-DSCD WL-QF ¹⁰
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD11 VL-DCD XL-QF ¹⁰	-	AB-DSCD11 VL-DSCD XL-QF ¹⁰

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

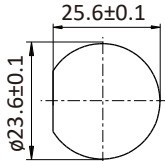
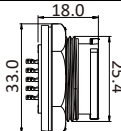
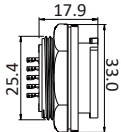
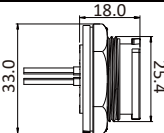
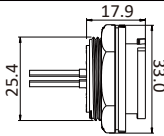
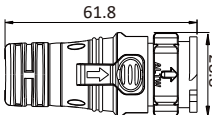
¹⁰ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector / Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF, **(W)** F/F+M, **(X)** F/M+F, **(U)** M/F+M, **(V)** M/M+F

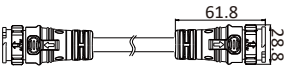
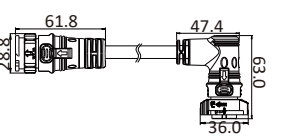
	End1: (H) MF End2: (B) FM	-	AB-DCD11 HL-DCD BR-QF ¹⁰	-	AB-DSCD11 HL-DSCD BR-QF ¹⁰
	End1: (M) MM End2: (F) FF	AB-DCD11 ML-DCD FR-QF ¹⁰	-	AB-DSCD11 ML-DSCD BR-QF ¹⁰	-
	End1: (M) MM End2: (B) FM	AB-DCD11 ML-DCD BR-QF ¹⁰	-	AB-DSCD11 ML-DSCD FR-QF ¹⁰	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD11 UL-DCD XR-QF ¹⁰	-	AB-DSMD11 UL-DSMD XR-QC ¹⁰ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD11 VL-DCD WR-QF ¹⁰	-	AB-DSCD11 VL-DSCD WR-QF ¹⁰
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD11 VL-DCD XR-QF ¹⁰	AB-DCD11 VL-DCD XR-QF ¹⁰	AB-DSMD11 VL-DSMD XR-QC ¹⁰ *	AB-DSCD11 VL-DSCD XR-QF ¹⁰

No of Contacts		11 (3+8)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD11 VL -DMD VL -QC ⑩ *	-	AB-DSMD11 VL -DSMD VL -QC ⑩ *
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD11 VL -DMD UL -QC ⑩ *	-	AB-DSMD11 VL -DSMD UL -QC ⑩ *
	End1: (V) M/M+F End2: (U) M/F+M	-	AB-DSMD11 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD11 UL -DSMD XL -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD11 VL -DMD WL -QC ⑩ *	-	AB-DSMD11 VL -DSMD WL -QC ⑩ *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD11 VL -DMD XL -QC ⑩ *	-	AB-DSMD11 VL -DSMD XL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD11 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD11 VL -DMD WR -QC ⑩ *	-	AB-DSMD11 VL -DSMD WR -
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD11 VL -DMD XR -QC ⑩ *	AB-DSMD11 VL -DSMD XR -QC ⑩ *	AB-DSMD11 VL -DSMD XR -QC ⑩ *

*Upon Request

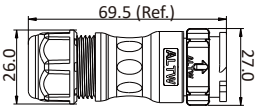
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	12			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact		MF	MM	MF	
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-12PMF S -QC8001	DSD-12PMM S -QC8001	DSD-12PMF S -QC8001	
	180° PCB Type (For Data Group)	DD-12PMF P -QC8001 *	DSD-12PMM P -QC8001	DSD-12PMF P -QC8001	
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-12RMF S -QC8001	DSD-12RMM S -QC8001	DSD-12RMF S -QC8001	
	180° PCB Type (For Data Group)	DD-12RMF P -QC8001 *	DSD-12RMM P -QC8001	DSD-12RMF P -QC8001	
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-12PMM S -QC8A ⑪ *	DSD-12PMM S -QC8A ⑪ *	DSD-12PMF S -QC8A ⑪ *	
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-12RMM S -QC8A ⑪ *	DSD-12RMM S -QC8A ⑪ *	DSD-12RMF S -QC8A ⑪ *	
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	-	DSD-12A MM M-QL8D ⑪ *	DSD-12A MF M-QL8D ⑪ *	

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF				
	End1: (H) MF End2: (H) MF	AB-DD12 HL-DD HL-QD ⑩	-	AB-DSD12 HL-DSD HL-QD ⑩
	End1: (M) MM End2: (H) MF	-	AB-DSD12 ML-DSD HL-QD ⑩	-
	End1: (M) MM End2: (M) MM	-	AB-DSD12 ML-DSD ML-QD ⑩	-
	End1: (H) MF End2: (B) FM	AB-DD12 HL-DD BL-QD ⑩	-	AB-DSD12 HL-DSD BL-QD ⑩
	End1: (M) MM End2: (B) FM	-	AB-DSD12 ML-DSD BL-QD ⑩	-
	End1: (M) MM End2: (F) FF	-	AB-DSD12 ML-DSD FL-QD ⑩	-
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF				
	End1: (H) MF End2: (B) FM	AB-DD12 HL-DD BR-QD ⑩	-	AB-DSD12 HL-DSD BR-QD ⑩
	End1: (M) MM End2: (B) FM	-	AB-DSD12 ML-DSD BR-QD ⑩	-
	End1: (M) MM End2: (F) FF	-	AB-DSD12 ML-DSD FR-QD ⑩	-

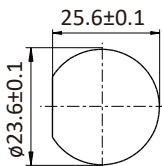
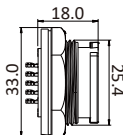
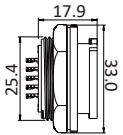
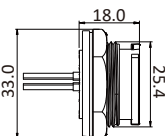
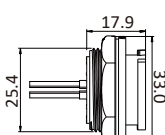
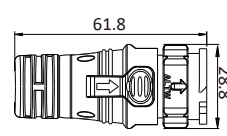
No of Contacts	12		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	5A		
Plastic / Metal	Plastic	Metal	
Pin Assignment	MF	MM	MF
MM : Male Connector Male Contact MF : Male Connector Female Contact			

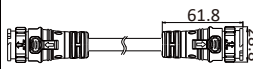
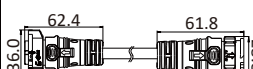
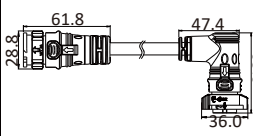
Field Serviceable/Installable, **STRAIGHT**, Without Strain Relief, Push Lock, IP68 (Mated)
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option: Connector With Contacts

	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B MF G-QL8AP0 *	DSD-12B MM G-QL8AP0	DSD-12B MF G-QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B MF G-QL8SP0 *	DSD-12B MM G-QL8SP0	DSD-12B MF G-QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B MF G-QL8MP0 *	DSD-12B MM G-QL8MP0	DSD-12B MF G-QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B MF G-QL8LP0 *	DSD-12B MM G-QL8LP0	DSD-12B MF G-QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B MF B-QL8AP0 *	DSD-12B MM B-QL8AP0	DSD-12B MF B-QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B MF B-QL8SP0 *	DSD-12B MM B-QL8SP0	DSD-12B MF B-QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B MF B-QL8MP0 *	DSD-12B MM B-QL8MP0	DSD-12B MF B-QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B MF B-QL8LP0 *	DSD-12B MM B-QL8LP0	DSD-12B MF B-QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B MF E-QL8AP0 *	DSD-12B MM E-QL8AP0	DSD-12B MF E-QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B MF E-QL8SP0 *	DSD-12B MM E-QL8SP0	DSD-12B MF E-QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B MF E-QL8MP0 *	DSD-12B MM E-QL8MP0	DSD-12B MF E-QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B MF E-QL8LP0 *	DSD-12B MM E-QL8LP0	DSD-12B MF E-QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B MF A-QL8AP0	DSD-12B MM A-QL8AP0	DSD-12B MF A-QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B MF A-QL8SP0	DSD-12B MM A-QL8SP0	DSD-12B MF A-QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B MF A-QL8MP0	DSD-12B MM A-QL8MP0	DSD-12B MF A-QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B MF A-QL8LP0	DSD-12B MM A-QL8LP0	DSD-12B MF A-QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-12B MF A-QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-12B MF A-QL8SN0	-	-
		10.1 ~ 12.0mm Yellow Seal	DD-12B MF A-QL8MN0	-	-
		12.1 ~ 14.0mm Blue Seal	DD-12B MF A-QL8LN0	-	-

*Upon Request

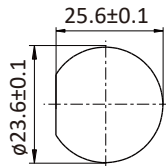
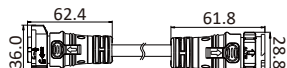
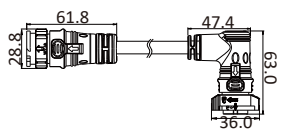
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	12 (3+9)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF
					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-12P MM S- QC8001	DCD-12P MF S- QC8001	DSCD-12P MM S- QC8001	DSCD-12P MF S- QC8001
	Solder Type (For Power Group)	DCD-12P MM S- QC8001	DCD-12P MF S- QC8001	DSCD-12P MM S- QC8001	DSCD-12P MF S- QC8001
	180° PCB Type (For Data Group)	DCD-12P MM P- QC8001 *	DCD-12P MF P- QC8001 *	DSCD-12P MM P- QC8001	DSCD-12P MF P- QC8001
	180° PCB Type (For Power Group)	DCD-12P MM P- QC8001 *	DCD-12P MF P- QC8001 *	DSCD-12P MM P- QC8001	DSCD-12P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DCD-12R MM S- QC8001	DCD-12R MF S- QC8001	DSCD-12R MM S- QC8001	DSCD-12R MF S- QC8001
	Solder Type (For Power Group)	DCD-12R MM S- QC8001	DCD-12R MF S- QC8001	DSCD-12R MM S- QC8001	DSCD-12R MF S- QC8001
	180° PCB Type (For Data Group)	DCD-12R MM P- QC8001 *	DCD-12R MF P- QC8001 *	DSCD-12R MM P- QC8001	DSCD-12R MF P- QC8001
	180° PCB Type (For Power Group)	DCD-12R MM P- QC8001 *	DCD-12R MF P- QC8001 *	DSCD-12R MM P- QC8001	DSCD-12R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-12P MM S- QC8C ⑪ *	DCD-12P MF S- QC8C ⑪ *	DSCD-12P MM S- QC8C ⑪ *	DSCD-12P MF S- QC8C ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1015 + UL1430, PVC+XL-PVC Jacket	DCD-12R MM S- QC8C ⑪ *	DCD-12R MF S- QC8C ⑪ *	DSCD-12R MM S- QC8C ⑪ *	DSCD-12R MF S- QC8C ⑪ *
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A MM M- QL8F ⑪ *	DCD-12A MF M- QL8F ⑪ *	DSD-12A MM M- QL8F ⑪ *	DSD-12A MF M- QL8F ⑪ *

No of Contacts		12 (3+9)			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A+5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (H) MF	-	AB-DCD12 HL -DCD HL -QF ⑩	-	AB-DSCD12 HL -DSCD HL -QF ⑩
	End1: (M) MM End2: (H) MF	AB-DCD12 ML -DCD HL -QF ⑩	-	AB-DSCD12 ML -DSCD HL -QF ⑩	-
	End1: (M) MM End2: (M) MM	AB-DCD12 ML -DCD ML -QF ⑩	-	AB-DSCD12 ML -DSCD ML -QF ⑩	-
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD12 VL -DCD VL -QF ⑩	-	AB-DSCD12 VL -DSCD VL -QF ⑩
	End1: (V) M/M+F End2: (V) M/M+F	-	AB-DCD12 VL -DCD UL -QF ⑩	-	AB-DSCD12 VL -DSCD UL -QF ⑩
	End1: (U) M/F+M End2: (U) M/F+M	AB-DCD12 UL -DCD UL -QF ⑩	-	AB-DSMD12 UL -DSMD UL -QC ⑩ *	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD12 UL -DCD XL -QF ⑩	-	AB-DSMD12 UL -DSMD XL -QC ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DCD12 HL -DCD BL -QF ⑩	-	AB-DSCD12 HL -DSCD BL -QF ⑩
	End1: (H) MF End2: (B) FM	AB-DCD12 ML -DCD BL -QF ⑩	-	AB-DSCD12 ML -DSCD BL -QF ⑩	-
	End1: (M) MM End2: (F) FF	AB-DCD12 ML -DCD FL -QF ⑩	-	AB-DSCD12 ML -DSCD FL -QF ⑩	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD12 VL -DCD WL -QF ⑩	-	AB-DSCD12 VL -DSCD WL -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	-	AB-DCD12 VL -DCD XL -QF ⑩	-	AB-DSCD12 VL -DSCD XL -QF ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F					
	End1: (H) MF End2: (B) FM	-	AB-DCD12 HL -DCD BR -QF ⑩	-	AB-DSCD12 HL -DSCD BR -QF ⑩
	End1: (M) MM End2: (F) FF	AB-DCD12 ML -DCD FR -QF ⑩	-	AB-DSCD12 ML -DSCD BR -QF ⑩	-
	End1: (M) MM End2: (B) FM	AB-DCD12 ML -DCD BR -QF ⑩	-	AB-DSCD12 ML -DSCD FR -QF ⑩	-
	End1: (U) M/F+M End2: (X) F/M+F	AB-DCD12 UL -DCD XR -QF ⑩	-	AB-DSMD12 UL -DSMD XR -QC ⑩ *	-
	End1: (V) M/M+F End2: (W) F/F+M	-	AB-DCD12 VL -DCD WR -QF ⑩	-	AB-DSCD12 VL -DSCD WR -QF ⑩
	End1: (V) M/M+F End2: (X) F/M+F	AB-DCD12 VL -DCD XR -QF ⑩	AB-DCD12 VL -DCD XR -QF ⑩	AB-DSMD12 VL -DSMD XR -QC ⑩ *	AB-DSCD12 VL -DSCD WR -QF ⑩

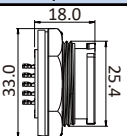
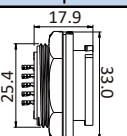
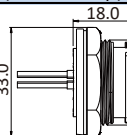
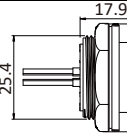
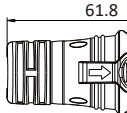
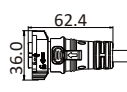
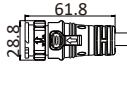
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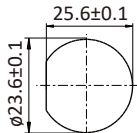
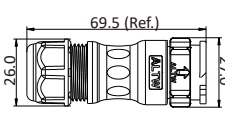
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	12 (3+9)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (V) M/M+F End2: (V) M/M+F	AB-DMD12 VL-DMD VL-QC 10 *	-	AB-DSMD12 VL-DSMD VL-QC 10 *
	End1: (V) M/M+F End2: (U) M/F+M	AB-DMD12 VL-DMD UL-QC 10 *	-	AB-DSMD12 VL-DSMD UL-QC 10 *
	End1: (U) M/F+M End2: (U) M/F+M	-	AB-DSMD12 UL-DSMD UL-QC 10 *	-
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD12 UL-DSMD XL-QC 10 *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD12 VL-DMD WL-QC 10 *	-	AB-DSMD12 VL-DSMD WL-QC 10 *
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD12 VL-DMD XL-QC 10 *	-	AB-DSMD12 VL-DSMD XL-QC 10 *
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M, (V) M/M+F				
	End1: (U) M/F+M End2: (X) F/M+F	-	AB-DSMD12 UL-DSMD XR-QC 10 *	-
	End1: (V) M/M+F End2: (W) F/F+M	AB-DMD12 VL-DMD WR-QC 10 *	-	AB-DSMD12 VL-DSMD WR-
	End1: (V) M/M+F End2: (X) F/M+F	AB-DMD12 VL-DMD XR-QC 10 *	AB-DSMD12 VL-DSMD XR-QC 10 *	AB-DSMD12 VL-DSMD XR-QC 10 *

*Upon Request

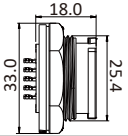
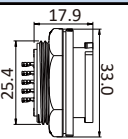
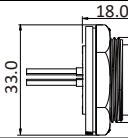
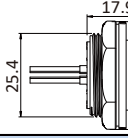
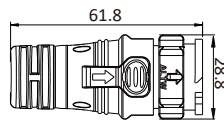
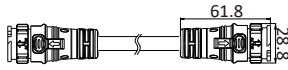
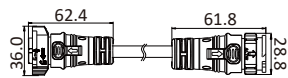
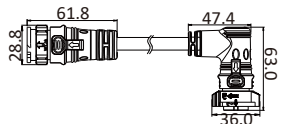
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

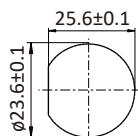
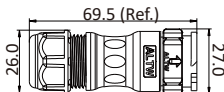
No of Contacts		14			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-14P MM S- QC8001	DD-14P MF S- QC8001	DSD-14P MM S- QC8001	DSD-14P MF S- QC8001
	180° PCB Type (For Data Group)	DD-14P MM P- QC8001 *	DD-14P MF P- QC8001 *	DSD-14P MM P- QC8001	DSD-14P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-14R MM S- QC8001	DD-14R MF S- QC8001	DSD-14R MM S- QC8001	DSD-14R MF S- QC8001
	180° PCB Type (For Data Group)	DD-14R MM P- QC8001 *	DD-14R MF P- QC8001 *	DSD-14R MM P- QC8001	DSD-14R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-14P MM S- QC8A ⑪ *	DD-14P MF S- QC8A ⑪ *	DSD-14P MM S- QC8A ⑪ *	DSD-14P MF S- QC8A ⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-14R MM S- QC8A ⑪ *	DD-14R MF S- QC8A ⑪ *	DSD-14R MM S- QC8A ⑪ *	DSD-14R MF S- QC8A ⑪ *
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	DD-14A MM M- QL8D ⑪ *	DD-14A MF M- QL8D ⑪ *	DSD-14A MM M- QL8D ⑪ *	DSD-14A MF M- QL8D ⑪ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (H) MF	-	AB-DD14 HL - DD HL -QD ⑩	-	AB-DSD14 HL - DSD HL -QD ⑩
	End1: (M) MM End2: (H) MF	AB-DD18 ML - DD HL -QD ⑩	-	AB-DSD14 ML - DSD HL -QD ⑩	-
	End1: (M) MM End2: (M) MM	AB-DD18 ML - DD ML -QD ⑩	-	AB-DSD14 ML - DSD ML -QD ⑩	-
	End1: (H) MF End2: (B) FM	-	AB-DD14 HL - DD BL -QD ⑩	-	AB-DSD14 HL - DSD BL -QD ⑩
	End1: (M) MM End2: (B) FM	AB-DD18 ML - DD BL -QD ⑩	-	AB-DSD14 ML - DSD BL -QD ⑩	-
	End1: (M) MM End2: (F) FF	AB-DD18 ML - DD FL -QD ⑩	-	AB-DSD14 ML - DSD FL -QD ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (B) FM	-	AB-DD14 HL - DD BR -QD ⑩	-	AB-DSD14 HL - DSD BR -QD ⑩
	End1: (M) MM End2: (F) FF	AB-DD14 ML - DD FR -QD ⑩	-	AB-DSD14 ML - DSD BR -QD ⑩	-
	End1: (M) MM End2: (B) FM	AB-DD14 ML - DD BR -QD ⑩	-	AB-DSD14 ML - DSD FR -QD ⑩	-

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	14					
Rated Voltage (AC/DC)		300 ~ 600V					
Nominal Current		5A					
Plastic / Metal		Plastic			Metal		
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact		MM	MF	MM	MF		
							
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts							
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B MMG -QL8AP0 *	DD-14B MF G -QL8AP0 *	DSD-14B MMG -QL8AP0	DSD-14B MF G -QL8AP0	
		8.0 ~ 10.0mm Red Seal	DD-14B MMG -QL8SP0 *	DD-14B MF G -QL8SP0 *	DSD-14B MMG -QL8SP0	DSD-14B MF G -QL8SP0	
		10.1 ~ 12.0mm Yellow Seal	DD-14B MMG -QL8MP0 *	DD-14B MF G -QL8MP0 *	DSD-14B MMG -QL8MP0	DSD-14B MF G -QL8MP0	
		12.1 ~ 14.0mm Blue Seal	DD-14B MMG -QL8LP0 *	DD-14B MF G -QL8LP0 *	DSD-14B MMG -QL8LP0	DSD-14B MF G -QL8LP0	
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B MMB -QL8AP0 *	DD-14B MF B -QL8AP0 *	DSD-14B MMB -QL8AP0	DSD-14B MF B -QL8AP0	
		8.0 ~ 10.0mm Red Seal	DD-14B MMB -QL8SP0 *	DD-14B MF B -QL8SP0 *	DSD-14B MMB -QL8SP0	DSD-14B MF B -QL8SP0	
		10.1 ~ 12.0mm Yellow Seal	DD-14B MMB -QL8MP0 *	DD-14B MF B -QL8MP0 *	DSD-14B MMB -QL8MP0	DSD-14B MF B -QL8MP0	
		12.1 ~ 14.0mm Blue Seal	DD-14B MMB -QL8LP0 *	DD-14B MF B -QL8LP0 *	DSD-14B MMB -QL8LP0	DSD-14B MF B -QL8LP0	
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B MME -QL8AP0 *	DD-14B MF E -QL8AP0 *	DSD-14B MME -QL8AP0	DSD-14B MF E -QL8AP0	
		8.0 ~ 10.0mm Red Seal	DD-14B MME -QL8SP0 *	DD-14B MF E -QL8SP0 *	DSD-14B MME -QL8SP0	DSD-14B MF E -QL8SP0	
		10.1 ~ 12.0mm Yellow Seal	DD-14B MME -QL8MP0 *	DD-14B MF E -QL8MP0 *	DSD-14B MME -QL8MP0	DSD-14B MF E -QL8MP0	
		12.1 ~ 14.0mm Blue Seal	DD-14B MME -QL8LP0 *	DD-14B MF E -QL8LP0 *	DSD-14B MME -QL8LP0	DSD-14B MF E -QL8LP0	
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B MM A -QL8AP0	DD-14B MF A -QL8AP0	DSD-14B MM A -QL8AP0	DSD-14B MF A -QL8AP0	
		8.0 ~ 10.0mm Red Seal	DD-14B MM A -QL8SP0	DD-14B MF A -QL8SP0	DSD-14B MM A -QL8SP0	DSD-14B MF A -QL8SP0	
		10.1 ~ 12.0mm Yellow Seal	DD-14B MM A -QL8MP0	DD-14B MF A -QL8MP0	DSD-14B MM A -QL8MP0	DSD-14B MF A -QL8MP0	
		12.1 ~ 14.0mm Blue Seal	DD-14B MM A -QL8LP0	DD-14B MF A -QL8LP0	DSD-14B MM A -QL8LP0	DSD-14B MF A -QL8LP0	
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-14B MM A -QL8AN0	DD-14B MF A -QL8AN0	-	-	
		8.0 ~ 10.0mm Red Seal	DD-14B MM A -QL8SN0	DD-14B MF A -QL8SN0	-	-	
		10.1 ~ 12.0mm Yellow Seal	DD-14B MM A -QL8MN0	DD-14B MF A -QL8MN0	-	-	
		12.1 ~ 14.0mm Blue Seal	DD-14B MM A -QL8LN0	DD-14B MF A -QL8LN0	-	-	

*Upon Request

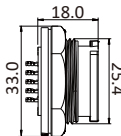
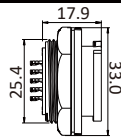
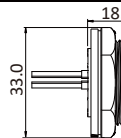
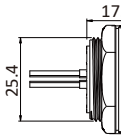
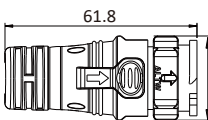
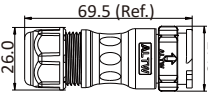
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

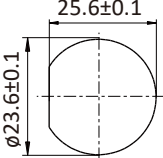
No of Contacts		18			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM	MF	MM	MF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-18P MM S- QC8001	DD-18P MF S- QC8001	DSD-18P MM S- QC8001	DSD-18P MF S- QC8001
	180° PCB Type (For Data Group)	DD-18P MM P- QC8001 *	DD-18P MF P- QC8001 *	DSD-18P MM P- QC8001	DSD-18P MF P- QC8001
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm					
	Solder Type (For Data Group)	DD-18R MM S- QC8001	DD-18R MF S- QC8001	DSD-18R MM S- QC8001	DSD-18R MF S- QC8001
	180° PCB Type (For Data Group)	DD-18R MM P- QC8001 *	DD-18R MF P- QC8001 *	DSD-18R MM P- QC8001	DSD-18R MF P- QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-18P MM S- QC8A⑪ *	DD-18P MF S- QC8A⑪ *	DSD-18P MM S- QC8A⑪ *	DSD-18P MF S- QC8A⑪ *
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾ Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm					
	UL1430, XL-PVC Jacket	DD-18R MM S- QC8A⑪ *	DD-18R MF S- QC8A⑪ *	DSD-18R MM S- QC8A⑪ *	DSD-18R MF S- QC8A⑪ *
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	DD-18A MM M- QL8D⑪ *	DD-18A MF M- QL8D⑪ *	DSD-18A MM M- QL8D⑪ *	DSD-18A MF M- QL8D⑪ *
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (H) MF	-	AB-DD18 HL - DD HL -QD⑩	-	AB-DSD18 HL - DSD HL -QD⑩
	End1: (M) MM End2: (H) MF	AB-DD18 ML - DD HL -QD⑩	-	AB-DSD18 ML - DSD HL -QD⑩	-
	End1: (M) MM End2: (M) MM	AB-DD18 ML - DD ML -QD⑩	-	AB-DSD18 ML - DSD ML -QD⑩	-
	End1: (H) MF End2: (B) FM	-	AB-DD18 HL - DD BL -QD⑩	-	AB-DSD18 HL - DSD BL -QD⑩
	End1: (M) MM End2: (B) FM	AB-DD18 ML - DD BL -QD⑩	-	AB-DSD18 ML - DSD BL -QD⑩	-
	End1: (M) MM End2: (F) FF	AB-DD18 ML - DD FL -QD⑩	-	AB-DSD18 ML - DSD FL -QD⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (B) FM	-	AB-DD18 HL - DD BR -QD⑩	-	AB-DSD18 HL - DSD BR -QD⑩
	End1: (M) MM End2: (F) FF	AB-DD18 ML - DD FR -QD⑩	-	AB-DSD18 ML - DSD BR -QD⑩	-
	End1: (M) MM End2: (B) FM	AB-DD18 ML - DD BR -QD⑩	-	AB-DSD18 ML - DSD FR -QD⑩	-

No of Contacts	Panel Cut Out Circular Flange (D Cut)		18			
Rated Voltage (AC/DC)			300 ~ 600V			
Nominal Current			5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact MF : Male Connector Female Contact			MM	MF	MM	MF
						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B MMG -QL8AP0 *	DD-18B MF G -QL8AP0 *	DSD-18B MMG -QL8AP0	DSD-18B MF G -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B MMG -QL8SP0 *	DD-18B MF G -QL8SP0 *	DSD-18B MMG -QL8SP0	DSD-18B MF G -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B MMG -QL8MP0 *	DD-18B MF G -QL8MP0 *	DSD-18B MMG -QL8MP0	DSD-18B MF G -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B MMG -QL8LP0 *	DD-18B MF G -QL8LP0 *	DSD-18B MMG -QL8LP0	DSD-18B MF G -QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B MMB -QL8AP0 *	DD-18B MF B -QL8AP0 *	DSD-18B MMB -QL8AP0	DSD-18B MF B -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B MMB -QL8SP0 *	DD-18B MF B -QL8SP0 *	DSD-18B MMB -QL8SP0	DSD-18B MF B -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B MMB -QL8MP0 *	DD-18B MF B -QL8MP0 *	DSD-18B MMB -QL8MP0	DSD-18B MF B -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B MMB -QL8LP0 *	DD-18B MF B -QL8LP0 *	DSD-18B MMB -QL8LP0	DSD-18B MF B -QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B MME -QL8AP0 *	DD-18B MF E -QL8AP0 *	DSD-18B MME -QL8AP0	DSD-18B MF E -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B MME -QL8SP0 *	DD-18B MF E -QL8SP0 *	DSD-18B MME -QL8SP0	DSD-18B MF E -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B MME -QL8MP0 *	DD-18B MF E -QL8MP0 *	DSD-18B MME -QL8MP0	DSD-18B MF E -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B MME -QL8LP0 *	DD-18B MF E -QL8LP0 *	DSD-18B MME -QL8LP0	DSD-18B MF E -QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B MM A -QL8AP0	DD-18B MF A -QL8AP0	DSD-18B MM A -QL8AP0	DSD-18B MF A -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B MM A -QL8SP0	DD-18B MF A -QL8SP0	DSD-18B MM A -QL8SP0	DSD-18B MF A -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B MM A -QL8MP0	DD-18B MF A -QL8MP0	DSD-18B MM A -QL8MP0	DSD-18B MF A -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B MM A -QL8LP0	DD-18B MF A -QL8LP0	DSD-18B MM A -QL8LP0	DSD-18B MF A -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-18B MM A -QL8AN0	DD-18B MF A -QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-18B MM A -QL8SN0	DD-18B MF A -QL8SN0	-	-
		10.1 ~ 12.0mm Yellow Seal	DD-18B MM A -QL8MN0	DD-18B MF A -QL8MN0	-	-
		12.1 ~ 14.0mm Blue Seal	DD-18B MM A -QL8LN0	DD-18B MF A -QL8LN0	-	-

*Upon Request

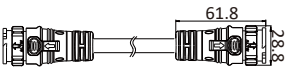
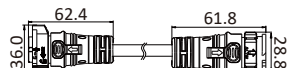
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		78				
Rated Voltage (AC/DC)		60V				
Nominal Current		0.5A				
Plastic / Metal		Plastic		Metal		
Pin Assignment		MM	MF	MM	MF	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact						
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)	DD-78P MM S - QC8001*	DD-78P MF S - QC8001*	DSD-78P MM S - QC8001*	DSD-78P MF S - QC8001*	
	180° PCB Type (For Data Group)	DD-78P MM P - QC8001*	DD-78P MF P - QC8001*	DSD-78P MM P - QC8001*	DSD-78P MF P - QC8001*	
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)	DD-78R MM S - QC8001*	DD-78R MF S - QC8001*	DSD-78R MM S - QC8001*	DSD-78R MF S - QC8001*	
	180° PCB Type (For Data Group)	DD-78R MM P - QC8001*	DD-78R MF P - QC8001*	DSD-78R MM P - QC8001*	DSD-78R MF P - QC8001*	
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL1430, XL-PVC Jacket	DD-78P MM S - QC8A ⑪ *	DD-78P MF S - QC8A ⑪ *	DSD-78P MM S - QC8A ⑪ *	DSD-78P MF S - QC8A ⑪ *	
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL1430, XL-PVC Jacket	DD-78R MM S - QC8A ⑪ *	DD-78R MF S - QC8A ⑪ *	DSD-78R MM S - QC8A ⑪ *	DSD-78R MF S - QC8A ⑪ *	
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)						
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL21388, PVC Jacket (For Data Group)	DD-78A MM M - QL8D ⑪ *	DD-78A MF M - QL8D ⑪ *	DSD-78A MM M - QL8D ⑪ *	DSD-78A MF M - QL8D ⑪ *	
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm						
Packing Option: Connector With Contacts						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-78B MM G - QL8AP0 *	DD-78B MF G - QL8AP0 *	DSD-78B MM G - QL8AP0 *	DSD-78B MF G - QL8AP0 *
		8.0 ~ 10.0mm Red Seal	DD-78B MM G - QL8SP0 *	DD-78B MF G - QL8SP0 *	DSD-78B MM G - QL8SP0 *	DSD-78B MF G - QL8SP0 *
		10.1 ~ 12.0mm Yellow Seal	DD-78B MM G - QL8MP0 *	DD-78B MF G - QL8MP0 *	DSD-78 MM G - QL8MP0 *	DSD-78B MF G - QL8MP0 *
		12.1 ~ 14.0mm Blue Seal	DD-78B MM G - QL8LP0 *	DD-78B MF G - QL8LP0 *	DSD-78B MM G - QL8LP0 *	DSD-78B MF G - QL8LP0 *

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	78	
Rated Voltage (AC/DC)		60V	
Nominal Current		0.5A	
Plastic / Metal		Plastic	Metal
Pin Assignment			
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			

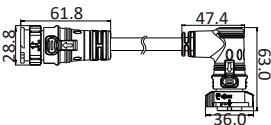
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (H) MF End2: (H) MF	-	AB-DD78 HL-DD HL-QD 10 *	-	AB-DSD78 HL-DSD HL-QD 10 *
	End1: (M) MM End2: (H) MF	AB-DD78 ML-DD HL-QD 10 *	-	AB-DSD78 ML-DSD HL-QD 10 *	-
	End1: (M) MM End2: (M) MM	AB-DD78 ML-DD ML-QD 10 *	-	AB-DSD78 ML-DSD ML-QD 10 *	-
	End1: (H) MF End2: (B) FM	-	AB-DD78 HL-DD BL-QD 10 *	-	AB-DSD78 HL-DSD BL-QD 10 *
	End1: (M) MM End2: (B) FM	AB-DD78 ML-DD BL-QD 10 *	-	AB-DSD78 ML-DSD BL-QD 10 *	-
	End1: (M) MM End2: (F) FF	AB-DD78 ML-DD FL-QD 10 *	-	AB-DSD78 ML-DSD FL-QD 10 *	-

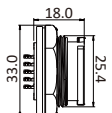
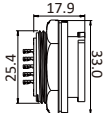
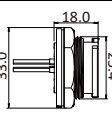
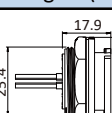
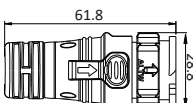
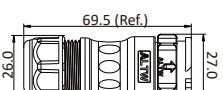
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ | Connector/Contact Gender: **(M)** MM, **(F)** FF, **(B)** FM, **(H)** MF

	End1: (H) MF End2: (B) FM	-	AB-DD78 HL-DD BR-QD 10 *	-	AB-DSD78 HL-DSD BR-QD 10 *
	End1: (M) MM End2: (F) FF	AB-DD78 ML-DD FR-QD 10 *	-	AB-DSD78 ML-DSD BR-QD 10 *	-
	End1: (M) MM End2: (B) FM	AB-DD78 ML-DD BR-QD 10 *	-	AB-DSD78 ML-DSD FR-QD 10 *	-

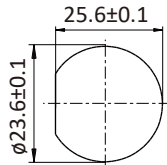
*Upon Request

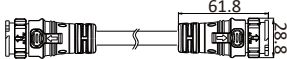
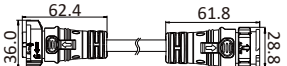
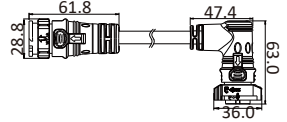
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

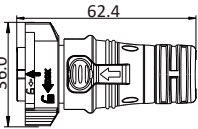
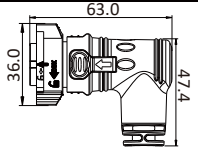
No of Contacts		100				
Rated Voltage (AC/DC)		60V				
Nominal Current		0.5A				
Plastic / Metal		Plastic		Metal		
Pin Assignment		MM/FF	MF/FM	MM/FF	MF/FM	
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact						
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)	DD-100P MM S-QC8001*	DD-100P MF S-QC8001*	DSD-100P MM S-QC8001*	DSD-100P MF S-QC8001*	
	180° PCB Type (For Data Group)	DD-100P MM P-QC8001*	DD-100P MF P-QC8001*	DSD-100P MM P-QC8001*	DSD-100P MF P-QC8001*	
Receptacle, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: (with cap) max. 2.6mm, (without cap) max. 3.6mm						
	Solder Type (For Data Group)	DD-100R MM S-QC8001*	DD-100R MF S-QC8001*	DSD-100R MM S-QC8001*	DSD-100R MF S-QC8001*	
	180° PCB Type (For Data Group)	DD-100R MM P-QC8001*	DD-100R MF P-QC8001*	DSD-100R MM P-QC8001*	DSD-100R MF P-QC8001*	
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL1430, XL-PVC Jacket	DD-100P MM S-QC8A 11 *	DD-100P MF S-QC8A 11 *	DSD-100P MM S-QC8A 11 *	DSD-100P MF S-QC8A 11 *	
Receptacle With Wires, Circular Flange, REAR Fastened Nut, Push Lock, IP68 (Unmated)						
Nut Torque Value: 4 ~ 6 kgf.cm Recommended Panel Thickness: (with cap) max. 3.0mm, (without cap) max. 4.0mm						
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL1430, XL-PVC Jacket	DD-100R MM S-QC8A 11 *	DD-100R MF S-QC8A 11 *	DSD-100R MM S-QC8A 11 *	DSD-100R MF S-QC8A 11 *	
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)						
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL21388, PVC Jacket (For Data Group)	DD-100A MM M-QL8D 11 *	DD-100A MF M-QL8D 11 *	DSD-100A MM M-QL8D 11 *	DSD-100A MF M-QL8D 11 *	
	UL21996, PVC Jacket (For Hybrid Group)	-	-	-	-	
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-100B MM G-QL8AP0*	DD-100B MF G-QL8AP0*	DSD-100B MM G-QL8AP0*	DSD-100B MF G-QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-100B MM G-QL8SP0*	DD-100B MF G-QL8SP0*	DSD-100B MM G-QL8SP0*	DSD-100B MF G-QL8SP0*
		10.1 ~ 12.0mm Yellow Seal	DD-100B MM G-QL8MP0*	DD-100B MF G-QL8MP0*	DSD-100B MM G-QL8MP0*	DSD-100B MF G-QL8MP0*
		12.1 ~ 14.0mm Blue Seal	DD-100B MM G-QL8LP0*	DD-100B MF G-QL8LP0*	DSD-100B MM G-QL8LP0*	DSD-100B MF G-QL8LP0*

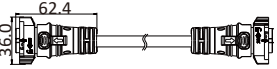
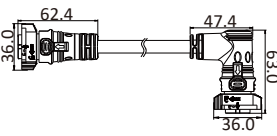
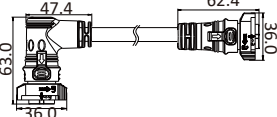
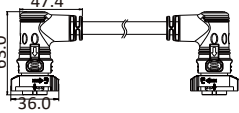
Panel Cut Out

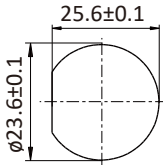
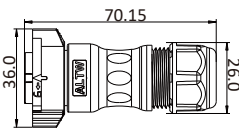
Circular Flange
(D Cut)



No of Contacts		100			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM/FF	MF/FM	MM/FF	MF/FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (H) MF	-	AB-DD100HL-DDHL-QD ⑩ *	-	AB-DSD100HL-DSDHL-QD ⑩ *
	End1: (M) MM End2: (H) MF	AB-DD100ML-DDHL-QD ⑩ *	-	AB-DSD100ML-DSDHL-QD ⑩ *	-
	End1: (M) MM End2: (M) MM	AB-DD100ML-DDML-QD ⑩ *	-	AB-DSD100ML-DSDML-QD ⑩ *	-
	End1: (H) MF End2: (B) FM	-	AB-DD100HL-DDBL-QD ⑩ *	-	AB-DSD100HL-DSDBL-QD ⑩ *
	End1: (M) MM End2: (B) FM	AB-DD100ML-DDBL-QD ⑩ *	-	AB-DSD100ML-DSDBL-QD ⑩ *	-
	End1: (M) MM End2: (F) FF	AB-DD100ML-DDFL-QD ⑩ *	-	AB-DSD100ML-DSDFL-QD ⑩ *	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (M) MM, (F) FF, (B) FM, (H) MF					
	End1: (H) MF End2: (B) FM	-	AB-DD100HL-DDBR-QD ⑩ *	-	AB-DSD100HL-DSDBR-QD ⑩ *
	End1: (M) MM End2: (F) FF	AB-DD100ML-DDFR-QD ⑩ *	-	AB-DSD100ML-DSDBR-QD ⑩ *	-
	End1: (M) MM End2: (B) FM	AB-DD100ML-DDBR-QD ⑩ *	-	AB-DSD100ML-DSDFR-QD ⑩ *	-

No of Contacts	2		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	20A		
Plastic / Metal	Plastic		
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND	FF	FM	
			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-02A FF M-QL8E ⑪	DC-02A FMM -QL8E ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-02A FF M-QR8E ⑪	DC-02A FMM -QR8E ⑪

STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (F) FF	AB-DC02FL-DCFL-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC02FL-DCBL-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DC02BL-DCBL-QE ⑩
	End1: (F) FF End2: (H) MF	AB-DC02FL-DCHL-QE ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC02FL-DCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC02FL-DCBR-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DC02BL-DCBR-QE ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (B) FM	AB-DC02FR-DCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-DC02FR-DCHL-QE ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC02FR-DCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC02FR-DCBR-QE ⑩	AB-DC02BR-DCBR-QE ⑩

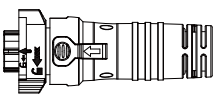
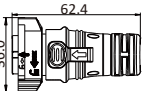
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	2		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		
Plastic / Metal		Plastic		
Pin Assignment		FF	FM	
				
FF : Female Connector Female Contact FM : Female Connector Male Contact				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B FFG -QL8APP *	DC-02B FMG -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-02B FFG -QL8SPP *	DC-02B FMG -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-02B FFG -QL8MPP *	DC-02B FMG -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-02B FFG -QL8LPP *	DC-02B FMG -QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B FFB -QL8APP	DC-02B FMB -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-02B FFB -QL8SPP	DC-02B FMB -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-02B FFB -QL8MPP	DC-02B FMB -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-02B FFB -QL8LPP	DC-02B FMB -QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B FFE -QL8APP *	DC-02B FME -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-02B FFE -QL8SPP *	DC-02B FME -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-02B FFE -QL8MPP *	DC-02B FME -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-02B FFE -QL8LPP *	DC-02B FME -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-02B FFA -QL8APP	DC-02B FMA -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-02B FFA -QL8SPP	DC-02B FMA -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-02B FFA -QL8MPP	DC-02B FMA -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-02B FFA -QL8LPP	DC-02B FMA -QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-02B FFA -QL8ANP	DC-02B FMA -QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-02B FFA -QL8SNP	DC-02B FMA -QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-02B FFA -QL8MNP	DC-02B FMA -QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-02B FFA -QL8LNP	DC-02B FMA -QL8LNP

*Upon Request
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	3		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	20A		50A
Plastic / Metal	Plastic		Plastic
Pin Assignment	FF	FM	FF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND			

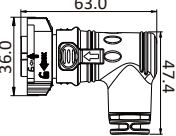
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Power Group)	-	-	DM-03A FFM -QL8C ⑪
	UL SJTW, PVC Jacket (For Power Group)	DC-03A FFM -QL8E ⑪	DC-03A FM -QL8E ⑪	-

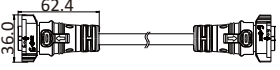
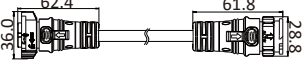
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾

	UL2517, PVC Jacket (For Power Group)	-	-	DM-03A FFM -QR8C ⑪ *
	UL SJTW, PVC Jacket (For Power Group)	DC-03A FFM -QR8E ⑪	DC-03A FM -QR8E ⑪	-

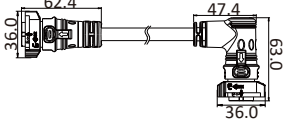
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (F) FF	AB-DC03 FL -DCFL-QE ⑩	-	AB-DM03 FL -DCFL-QC ⑩ *
	End1: (F) FF End2: (B) FM	AB-DC03 FL -DCBL-QE ⑩	-	AB-DM03 FL -DCBL-QC ⑩ *
	End1: (B) FM End2: (B) FM	-	AB-DC03 BL -DCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-DC03 FL -DCHL-QE ⑩	-	AB-DM03 FL -DCHL-QC ⑩ *

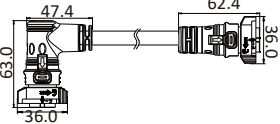
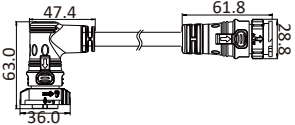
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

	End1: (F) FF End2: (F) FF	AB-DC03 FL -DCFR-QE ⑩	-	AB-DM03 FL -DCFR-QC ⑩ *
	End1: (F) FF End2: (B) FM	AB-DC03 FL -DCBR-QE ⑩	-	AB-DM03 FL -DCBR-QC ⑩ *
	End1: (B) FM End2: (B) FM	-	AB-DC03 BL -DCBR-QE ⑩	-

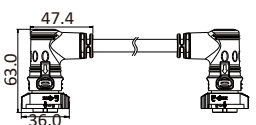
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

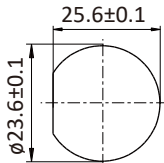
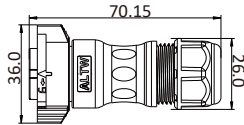
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM, (H) MF

	End1: (F) FF End2: (B) FM	AB-DC03 FR -DCBL-QE ⑩	-	AB-DM03 FR -DCBL-QC ⑩ *
	End1: (F) FF End2: (H) MF	AB-DC03 FR -DCHL-QE ⑩	-	AB-DM03 FR -DCHL-QC ⑩ *

RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

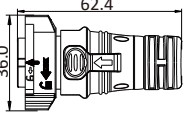
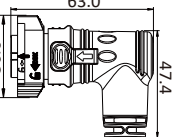
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector / Contact Gender: (F) FF, (B) FM

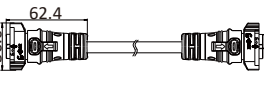
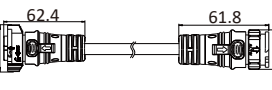
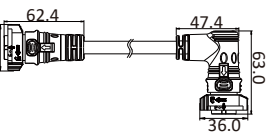
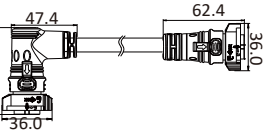
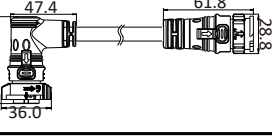
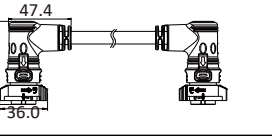
	End1: (F) FF End2: (F) FF	AB-DC03 FR -DCFR-QE ⑩	-	AB-DM03 FR -DCFR-QC ⑩ *
	End1: (F) FF End2: (B) FM	AB-DC03 FR -DCBR-QE ⑩	AB-DC03 BR -DCBR-QE ⑩	AB-DM03 FR -DCBR-QC ⑩ *

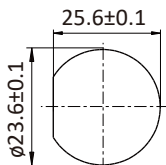
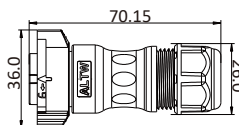
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	3			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		20A		50A	
Plastic / Metal		Plastic		Plastic	
Pin Assignment		FF	FM	FF	
FF : Female Connector Female Contact FM : Female Connector Male Contact					
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B FFG -QL8APP *	DC-03B FMG -QL8APP *	DM-03B FFG -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B FFG -QL8SPP *	DC-03B FMG -QL8SPP *	DM-03B FFG -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B FFG -QL8MPP *	DC-03B FMG -QL8MPP *	DM-03B FFG -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B FFG -QL8LPP *	DC-03B FMG -QL8LPP *	DM-03B FFG -QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B FFB -QL8APP	DC-03B FMB -QL8APP	DM-03B FFB -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B FFB -QL8SPP	DC-03B FMB -QL8SPP	DM-03B FFB -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B FFB -QL8MPP	DC-03B FMB -QL8MPP	DM-03B FFB -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B FFB -QL8LPP	DC-03B FMB -QL8LPP	DM-03B FFB -QL8LPP *
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B FFE -QL8APP *	DC-03B FME -QL8APP *	DM-03B FFE -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B FFE -QL8SPP *	DC-03B FME -QL8SPP *	DM-03B FFE -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B FFE -QL8MPP *	DC-03B FME -QL8MPP *	DM-03B FFE -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B FFE -QL8LPP *	DC-03B FME -QL8LPP *	DM-03B FFE -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-03B FFA -QL8APP	DC-03B FMA -QL8APP	DM-03B FFA -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-03B FFA -QL8SPP	DC-03B FMA -QL8SPP	DM-03B FFA -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-03B FFA -QL8MPP	DC-03B FMA -QL8MPP	DM-03B FFA -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-03B FFA -QL8LPP	DC-03B FMA -QL8LPP	DM-03B FFA -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-03B FFA -QL8ANP	DC-03B FMA -QL8ANP	-
		8.0 ~ 10.0mm Red Seal	DC-03B FFA -QL8SNP	DC-03B FMA -QL8SNP	-
		10.1 ~ 12.0mm Yellow Seal	DC-03B FFA -QL8MNP	DC-03B FMA -QL8MNP	-
		12.1 ~ 14.0mm Blue Seal	DC-03B FFA -QL8LNP	DC-03B FMA -QL8LNP	-

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

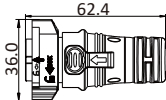
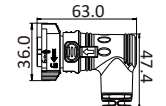
No of Contacts	4		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	20A		
Plastic / Metal	Plastic		
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND	FF	FM	
			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A FFM -QL8E ⑪	DC-04A FMM -QL8E ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-04A FFM -QR8E ⑪	DC-04A FMM -QR8E ⑪

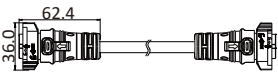
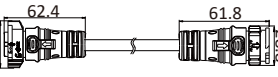
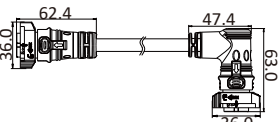
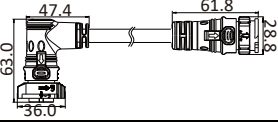
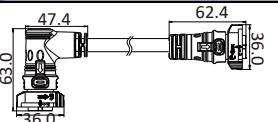
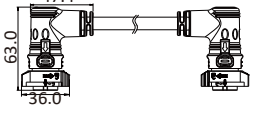
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (F) FF	AB-DC04 FL-DCFL-QE 10	-
	End1: (F) FF End2: (B) FM	AB-DC04 FL-DCBL-QE 10	-
	End1: (B) FM End2: (B) FM	-	AB-DC04 BL-DCBL-QE 10
	End1: (F) FF End2: (H) MF	AB-DC04 FL-DCHL-QE 10	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC04 FL-DCFR-QE 10	-
	End1: (F) FF End2: (B) FM	AB-DC04 FL-DCBR-QE 10	-
	End1: (B) FM End2: (B) FM	-	AB-DC04 BL-DCBR-QE 10
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (B) FM	AB-DC04 FR-DCBL-QE 10	-
	End1: (F) FF End2: (H) MF	AB-DC04 FR-DCHL-QE 10	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC04 FR-DCFR-QE 10	-
	End1: (F) FF End2: (B) FM	AB-DC04 FR-DCBR-QE 10	AB-DC04 BR-DCBR-QE 10

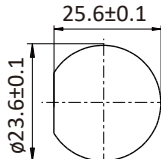
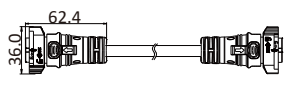
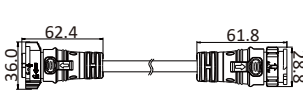
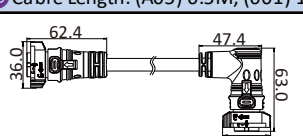
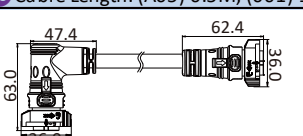
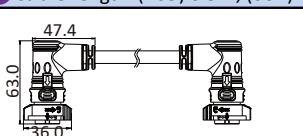
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		
Plastic / Metal		Plastic		
Pin Assignment		FF	FM	
FF : Female Connector Female Contact FM : Female Connector Male Contact				
				
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B FFG -QL8APP *	DC-04B FMG -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B FFG -QL8SPP *	DC-04B FMG -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-04B FFG -QL8MPP *	DC-04B FMG -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-04B FFG -QL8LPP *	DC-04B FMG -QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B FFB -QL8APP	DC-04B FMB -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B FFB -QL8SPP	DC-04B FMB -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-04B FFB -QL8MPP	DC-04B FMB -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-04B FFB -QL8LPP	DC-04B FMB -QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B FFE -QL8APP *	DC-04B FME -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-04B FFE -QL8SPP *	DC-04B FME -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-04B FFE -QL8MPP *	DC-04B FME -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-04B FFE -QL8LPP *	DC-04B FME -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-04B FFA -QL8APP	DC-04B FMA -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-04B FFA -QL8SPP	DC-04B FMA -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-04B FFA -QL8MPP	DC-04B FMA -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-04B FFA -QL8LPP	DC-04B FMA -QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-04B FFA -QL8ANP	DC-04B FMA -QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-04B FFA -QL8SNP	DC-04B FMA -QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-04B FFA -QL8MNP	DC-04B FMA -QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-04B FFA -QL8LNP	DC-04B FMA -QL8LNP

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

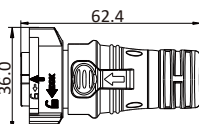
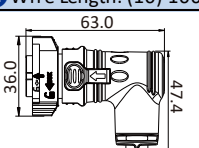
No of Contacts	4 (3+1)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑩ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-04A FFM -QL8F ⑩	DCD-04A FFM -QL8F ⑩	DSCD-04A FFM -QL8F ⑩
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑩ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-04A FFM -QR8F ⑩	DCD-04A FFM -QR8F ⑩	DSCD-04A FFM -QR8F ⑩

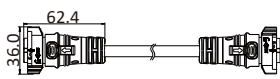
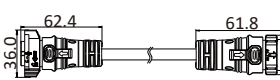
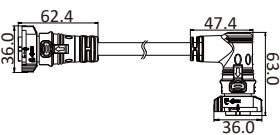
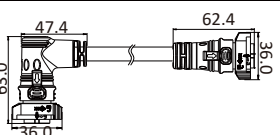
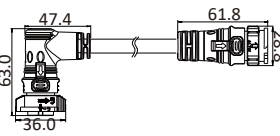
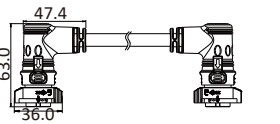
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD04 FL -DCD FL -QF ⑩	-	AB-DSCD04 FL -DSCD FL -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD04 FL -DCD BL -QF ⑩	-	AB-DSCD04 FL -DSCD BL -QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD04 BL -DCD BL -QF ⑩	-	AB-DSCD04 BL -DSCD BL -QF ⑩
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD04 XL -DCD XL -QF ⑩	AB-DCD04 WL -DCD WL -QF ⑩	AB-DSCD04 XL -DSCD XL -QF ⑩	AB-DSCD04 WL -DSCD WL -QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD04 FL -DCD HL -QF ⑩	-	AB-DSCD04 FL -DSCD HL -QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD04 WL -DCD UL -QF ⑩	-	AB-DSCD04 WL -DSCD UL -QF ⑩
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD04 FL -DCD FR -QF ⑩	-	AB-DSCD04 FL -DSCD FR -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD04 FL -DCD BR -QF ⑩	-	AB-DSCD04 FL -DSCD BR -QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD04 BL -DCD BR -QF ⑩	-	AB-DSCD04 BL -DSCD BR -QF ⑩
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD04 XL -DCD XR -QF ⑩	AB-DCD04 WL -DCD WR -QF ⑩	AB-DSCD04 XL -DSCD XR -QF ⑩	AB-DSCD04 WL -DSCD WR -QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD04 FL -DCD HL -QF ⑩	-	AB-DSCD04 FL -DSCD HL -QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD04 WL -DCD UL -QF ⑩	-	AB-DSCD04 WL -DSCD UL -QF ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD04 FR -DCD BL -QF ⑩	-	AB-DSCD04 FR -DSCD BL -QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD04 WR -DCD XL -QF ⑩	-	AB-DSCD04 WR -DSCD XL -QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD04 FR -DCD HL -QF ⑩	-	AB-DSCD04 FR -DSCD HL -QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD04 WR -DCD UL -QF ⑩	-	AB-DSCD04 WR -DSCD UL -QF ⑩
	End1: (F) FF End2: (F) FF	AB-DCD04 FR -DCD FR -QF ⑩	-	AB-DSCD04 FR -DSCD FR -QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD04 FR -DCD BR -QF ⑩	AB-DCD04 BR -DCD BR -QF ⑩	AB-DSCD04 FR -DSCD BR -QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD04 BR -DSCD BR -QF ⑩
	End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD04 XR -DCD XR -QF ⑩	AB-DCD04 WR -DCD WR -QF ⑩	AB-DSCD04 XR -DSCD XR -QF ⑩	AB-DSCD04 WR -DSCD WR -QF ⑩

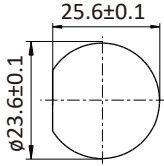
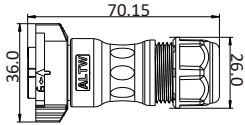
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4 (3+1)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD04 WL -DMD WL -QC ⑩ *	AB-DSMD04 XL -DSMD XL -QC ⑩ *	AB-DSMD04 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD04 WL -DMD XL -QC ⑩ *	-	AB-DSMD04 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD04 WL -DMD UL -QC ⑩ *	-	AB-DSMD04 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD04 WL -DMD WR -QC ⑩ *	AB-DSMD04 XL -DSMD XR -QC ⑩ *	AB-DSMD04 WL -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD04 WL -DMD XR -QC ⑩ *	-	AB-DSMD04 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD04 WR -DMD XL -QC ⑩ *	-	AB-DSMD04 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD04 WR -DMD UL -QC ⑩ *	-	AB-DSMD04 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD04 WR -DMD WR -QC ⑩ *	AB-DSMD04 XR -DSMD XR -QC ⑩ *	AB-DSMD04 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD04 WR -DMD XR -QC ⑩ *	-	AB-DSMD04 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

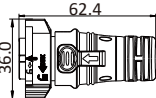
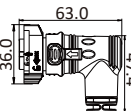
No of Contacts	5		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	20A		
Plastic / Metal	Plastic		
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND	FF	FM	
			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A FFM -QL8E ⑪	DC-05A FMM -QL8E ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL SJTW, PVC Jacket (For Power Group)	DC-05A FFM -QR8E ⑪	DC-05A FMM -QR8E ⑪

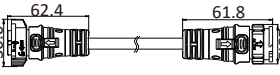
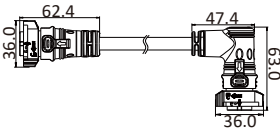
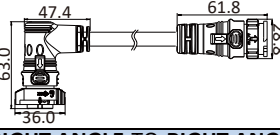
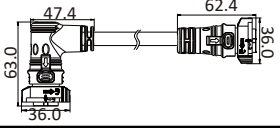
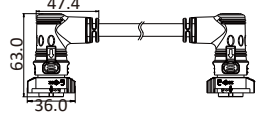
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (F) FF	AB-DC05 FL -DCFL-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC05 FL -DCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-DC05 FL -DCHL-QE ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC05 FL -DCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC05 FL -DCBR-QE ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DC05 BL -DCBR-QE ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF			
	End1: (F) FF End2: (B) FM	AB-DC05 FR -DCBL-QE ⑩	-
	End1: (F) FF End2: (H) MF	AB-DC05 FR -DCHL-QE ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)			
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM			
	End1: (F) FF End2: (F) FF	AB-DC05 FR -DCFR-QE ⑩	-
	End1: (F) FF End2: (B) FM	AB-DC05 FR -DCBR-QE ⑩	AB-DC05 BR -DCBR-QE ⑩

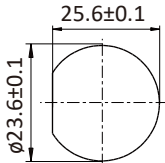
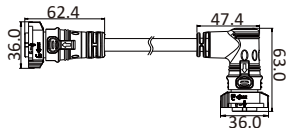
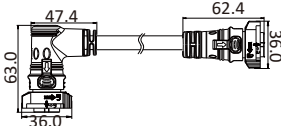
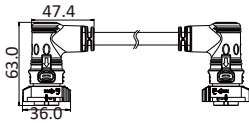
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	5		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		20A		
Plastic / Metal		Plastic		
Pin Assignment		FF	FM	
				
Field Serviceable/Installable, STRAIGHT, Without Strain Relief, Push Lock, IP68 (Mated) Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts				
	Solder Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B FFG -QL8APP *	DC-05B FMG -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B FFG -QL8SPP *	DC-05B FMG -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-05B FFG -QL8MPP *	DC-05B FMG -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-05B FFG -QL8LPP *	DC-05B FMG -QL8LPP *
	Screw-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B FFB -QL8APP	DC-05B FMB -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B FFB -QL8SPP	DC-05B FMB -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-05B FFB -QL8MPP	DC-05B FMB -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-05B FFB -QL8LPP	DC-05B FMB -QL8LPP
	Push-in Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B FFE -QL8APP *	DC-05B FME -QL8APP *
		8.0 ~ 10.0mm Red Seal	DC-05B FFE -QL8SPP *	DC-52B FME -QL8SPP *
		10.1 ~ 12.0mm Yellow Seal	DC-05B FFE -QL8MPP *	DC-05B FME -QL8MPP *
		12.1 ~ 14.0mm Blue Seal	DC-05B FFE -QL8LPP *	DC-05B FME -QL8LPP *
	Crimp Type, For Power Group, Packing: Connector With Contacts	All Seals	DC-05B FFA -QL8APP	DC-05B FMA -QL8APP
		8.0 ~ 10.0mm Red Seal	DC-05B FFA -QL8SPP	DC-05B FMA -QL8SPP
		10.1 ~ 12.0mm Yellow Seal	DC-05B FFA -QL8MPP	DC-05B FMA -QL8MPP
		12.1 ~ 14.0mm Blue Seal	DC-05B FFA -QL8LPP	DC-05B FMA -QL8LPP
	Crimp Type, For Power Group, Packing: Connector Without Contact	All Seals	DC-05B FFA -QL8ANP	DC-05B FMA -QL8ANP
		8.0 ~ 10.0mm Red Seal	DC-05B FFA -QL8SNP	DC-05B FMA -QL8SNP
		10.1 ~ 12.0mm Yellow Seal	DC-05B FFA -QL8MNP	DC-05B FMA -QL8MNP
		12.1 ~ 14.0mm Blue Seal	DC-05B FFA -QL8LNP	DC-05B FMA -QL8LNP

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

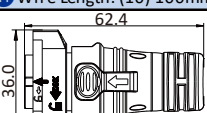
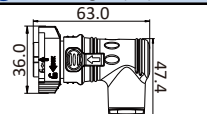
No of Contacts	5 (3+2)				
Rated Voltage (AC/DC)	300 ~ 600V				
Nominal Current	20A+5A				
Plastic / Metal	Plastic		Metal		
Pin Assignment	FF	FM	FF	FM	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
(11) Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-05 AF FM-QL8F (11)	DCD-05 AF MM-QL8F (11)	DSCD-05 AF FM-QL8F (11)	DSCD-05 AF MM-QL8F (11)
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
(11) Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-05 AF FM-QR8F (11)	DCD-05 AF MM-QR8F (11)	DSCD-05 AF FM-QR8F (11)	DSCD-05 AF MM-QR8F (11)

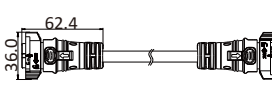
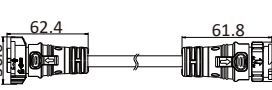
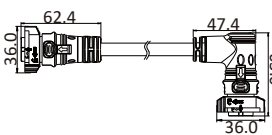
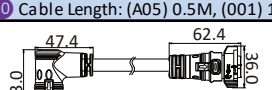
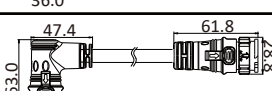
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
(10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD05FL-DCDFL-QF (10)	-	AB-DSCD05FL-DSCDFL-QF (10)	-
	End1: (F) FF End2: (B) FM	AB-DCD05FL-DCDBL-QF (10)	-	AB-DSCD05FL-DSCDBL-QF (10)	-
	End1: (B) FM End2: (B) FM	-	AB-DCD05BL-DCDBL-QF (10)	-	AB-DSCD05BL-DSCDBL-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05XL-DCDXL-QF (10)	AB-DCD05WL-DCDWL-QF (10)	AB-DSCD05XL-DSCDXL-QF (10)	AB-DSCD05WL-DSCDWL-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05WL-DCDXL-QF (10)	-	AB-DSCD05WL-DSCDXL-QF (10)
	End1: (F) FF End2: (H) MF	AB-DCD05FL-DCDHL-QF (10)	-	AB-DSCD05FL-DSCDHL-QF (10)	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD05WL-DCDUL-QF (10)	-	AB-DSCD05WL-DSCDUL-QF (10)
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
(10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD05FL-DCDFR-QF (10)	-	AB-DSCD05FL-DSCDFR-QF (10)	-
	End1: (F) FF End2: (B) FM	AB-DCD05FL-DCDBR-QF (10)	-	AB-DSCD05FL-DSCDBR-QF (10)	-
	End1: (B) FM End2: (B) FM	-	AB-DCD05BL-DCDBR-QF (10)	-	AB-DSCD05BL-DSCDBR-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05XL-DCDXR-QF (10)	AB-DCD05WL-DCDWR-QF (10)	AB-DSCD05XL-DSCDXR-QF (10)	AB-DSCD05WL-DSCDWR-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05WL-DCDXR-QF (10)	-	AB-DSCD05WL-DSCDXR-QF (10)
	End1: (F) FF End2: (H) MF	AB-DCD05FR-DCDHL-QF (10)	-	AB-DSCD05FR-DSCDHL-QF (10)	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD05WR-DCDUL-QF (10)	-	AB-DSCD05WR-DSCDUL-QF (10)
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
(10) Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD05FR-DCDBL-QF (10)	-	AB-DSCD05FR-DSCDBL-QF (10)	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05WR-DCDXL-QF (10)	-	AB-DSCD05WR-DSCDXL-QF (10)
	End1: (F) FF End2: (H) MF	AB-DCD05FR-DCDHL-QF (10)	-	AB-DSCD05FR-DSCDHL-QF (10)	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD05WR-DCDUL-QF (10)	-	AB-DSCD05WR-DSCDUL-QF (10)
	End1: (F) FF End2: (F) FF	AB-DCD05FR-DCDFR-QF (10)	-	AB-DSCD05FR-DSCDFR-QF (10)	-
	End1: (F) FF End2: (B) FM	AB-DCD05FR-DCDBR-QF (10)	AB-DCD05BR-DCDBR-QF (10)	AB-DSCD05FR-DSCDBR-QF (10)	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD05BR-DSCDBR-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD05XR-DCDXR-QF (10)	AB-DCD05WR-DCDWR-QF (10)	AB-DSCD05XR-DSCDXR-QF (10)	AB-DSCD05WR-DSCDWR-QF (10)
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD05WR-DCDXR-QF (10)	-	AB-DSCD05WR-DSCDXR-QF (10)

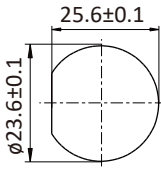
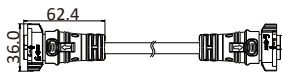
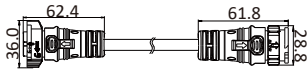
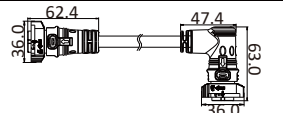
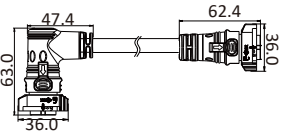
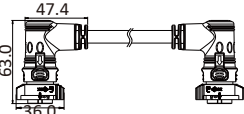
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	5 (3+2)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD05 WL -DMD WL -QC ⑩ *	AB-DSMD05 XL -DSMD XL -QC ⑩ *	AB-DSMD05 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD05 WL -DMD XL -QC ⑩ *	-	AB-DSMD05 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD05 WL -DMD UL -QC ⑩ *	-	AB-DSMD05 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD05 WL -DMD WR -QC ⑩ *	AB-DSMD05 XL -DSMD XR -QC ⑩ *	AB-DSMD05 WL -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD05 WL -DMD XR -QC ⑩ *	-	AB-DSMD05 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD05 WR -DMD XL -QC ⑩ *	-	AB-DSMD05 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD05 WR -DMD UL -QC ⑩ *	-	AB-DSMD05 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD05 WR -DMD WR -QC ⑩ *	AB-DSMD05 XR -DSMD XR -QC ⑩ *	AB-DSMD05 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD05 WR -DMD XR -QC ⑩ *	-	AB-DSMD05 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

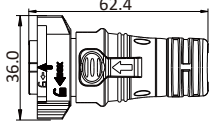
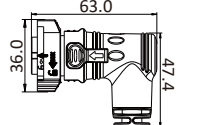
No of Contacts	6 (3+3)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL2157, PVC Jacket (For Hybrid Group)	DCD-06A FFM - QL8C⑪	DCD-06A FMM - QL8C⑪	DSCD-06A FFM - QL8C⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL2157, PVC Jacket (For Hybrid Group)	DCD-06A FFM - QR8C⑪	DCD-06A FMM - QR8C⑪	DSCD-06A FFM - QR8C⑪

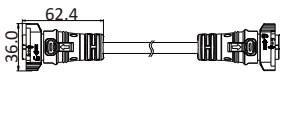
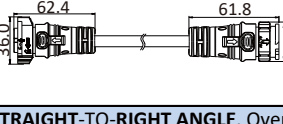
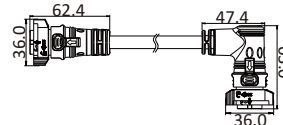
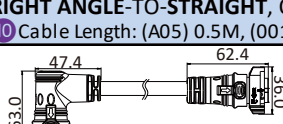
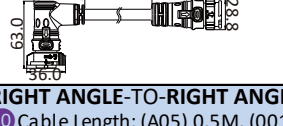
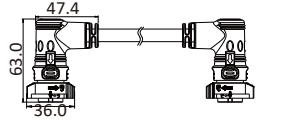
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD06FL-DCD FL -QC ⑩	-	AB-DSCD06FL-DSCD FL -QC ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD06FL-DCD BL -QC ⑩	-	AB-DSCD06FL-DSCD BL -QC ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD06BL-DCD BL -QC ⑩	-	AB-DSCD06BL-DSCD BL -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06XL-DCD XL -QC ⑩	AB-DCD06WL-DCD WL -QC ⑩	AB-DSCD06XL-DSCD XL -QC ⑩	AB-DSCD06WL-DSCD WL -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06WL-DCD XL -QC ⑩	-	AB-DSCD06WL-DSCD XL -QC ⑩
	End1: (F) FF End2: (H) MF	AB-DCD06FL-DCD HL -QC ⑩	-	AB-DSCD06FL-DSCD HL -QC ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD06WL-DCD UL -QC ⑩	-	AB-DSCD06WL-DSCD UL -QC ⑩
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD06FL-DCD FR -QC ⑩	-	AB-DSCD06FL-DSCD FR -QC ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD06FL-DCD BR -QC ⑩	-	AB-DSCD06FL-DSCD BR -QC ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD06BL-DCD BR -QC ⑩	-	AB-DSCD06BL-DSCD BR -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06XL-DCD XR -QC ⑩	AB-DCD06WL-DCD WR -QC ⑩	AB-DSCD06XL-DSCD XR -QC ⑩	AB-DSCD06WL-DSCD WR -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06WL-DCD XR -QC ⑩	-	AB-DSCD06WL-DSCD XR -QC ⑩
	End1: (F) FF End2: (H) MF	AB-DCD06FL-DCD HL -QC ⑩	-	AB-DSCD06FL-DSCD HL -QC ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD06WL-DCD UL -QC ⑩	-	AB-DSCD06WL-DSCD UL -QC ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD06FR-DCD BL -QC ⑩	-	AB-DSCD06FR-DSCD BL -QC ⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06WR-DCD XL -QC ⑩	-	AB-DSCD06WR-DSCD XL -QC ⑩
	End1: (F) FF End2: (H) MF	AB-DCD06FR-DCD HL -QC ⑩	-	AB-DSCD06FR-DSCD HL -QC ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD06WR-DCD UL -QC ⑩	-	AB-DSCD06WR-DSCD UL -QC ⑩
	End1: (F) FF End2: (F) FF	AB-DCD06FR-DCD FR -QC ⑩	-	AB-DSCD06FR-DSCD FR -QC ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD06FR-DCD BR -QC ⑩	AB-DCD06BR-DCD BR -QC ⑩	AB-DSCD06FR-DSCD BR -QC ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD06BR-DSCD BR -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD06XR-DCD XR -QC ⑩	AB-DCD06WR-DCD WR -QC ⑩	AB-DSCD06XR-DSCD XR -QC ⑩	AB-DSCD06WR-DSCD WR -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06WR-DCD XR -QC ⑩	-	AB-DSCD06WR-DSCD XR -QC ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD06WR-DCD XR -QC ⑩	-	AB-DSCD06WR-DSCD XR -QC ⑩

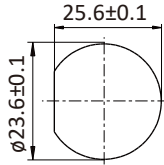
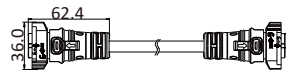
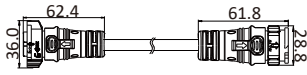
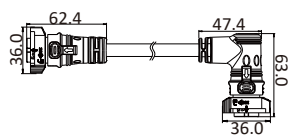
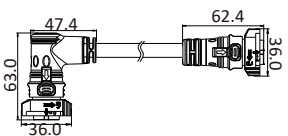
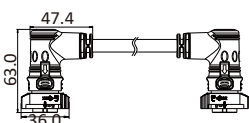
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	6 (3+3)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment				
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD06 WL -DMD WL -QC ⑩ *	AB-DSMD06 XL -DSMD XL -QC ⑩ *	AB-DSMD06 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD06 WL -DMD XL -QC ⑩ *	-	AB-DSMD06 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD06 WL -DMD UL -QC ⑩ *	-	AB-DSMD06 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD06 WL -DMD WR -QC ⑩ *	AB-DSMD06 XL -DSMD XR -QC ⑩ *	AB-DSMD06 WL -DSMD WR -
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD06 WL -DMD XR -QC ⑩ *	-	AB-DSMD06 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD06 WR -DMD XL -QC ⑩ *	-	AB-DSMD06 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD06 WR -DMD UL -QC ⑩ *	-	AB-DSMD06 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD06 WR -DMD WR -QC ⑩ *	AB-DSMD06 XR -DSMD XR -QC ⑩ *	AB-DSMD06 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD06 WR -DMD XR -QC ⑩ *	-	AB-DSMD06 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	7 (3+4)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A FFM -QL8F ⑪	DCD-07A FM M-QL8F ⑪	DSCD-07A FFM -QL8F ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-07A FFM -QR8F ⑪	DCD-07A FM M-QR8F ⑪	DSCD-07A FFM -QR8F ⑪

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD07FL-DCDFL-QF ⑩	-	AB-DSCD07FL-DSCDFL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD07FL-DCDBL-QF ⑩	-	AB-DSCD07FL-DSCDBL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD07BL-DCDBL-QF ⑩	-	AB-DSCD07BL-DSCDBL-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07XL-DCDXL-QF ⑩	AB-DCD07WL-DCDWL-QF ⑩	AB-DSCD07XL-DSCDXL-QF ⑩	AB-DSCD07WL-DSCDWL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD07FL-DCDHL-QF ⑩	-	AB-DSCD07FL-DSCDHL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD07WL-DCDUL-QF ⑩	-	AB-DSCD07WL-DSCDUL-QF ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD07FL-DCDFR-QF ⑩	-	AB-DSCD07FL-DSCDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD07FL-DCDBR-QF ⑩	-	AB-DSCD07FL-DSCDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD07BL-DCDBR-QF ⑩	-	AB-DSCD07BL-DSCDBR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07XL-DCDXR-QF ⑩	AB-DCD07WL-DCDWR-QF ⑩	AB-DSCD07XL-DSCDXR-QF ⑩	AB-DSCD07WL-DSCDWR-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD07FL-DCDHL-QF ⑩	-	AB-DSCD07FL-DSCDHL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD07WL-DCDUL-QF ⑩	-	AB-DSCD07WL-DSCDUL-QF ⑩
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD07FR-DCDBL-QF ⑩	-	AB-DSCD07FR-DSCDBL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07WR-DCDXL-QF ⑩	-	AB-DSCD07WR-DSCDXL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD07FR-DCDHL-QF ⑩	-	AB-DSCD07FR-DSCDHL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD07WR-DCDUL-QF ⑩	-	AB-DSCD07WR-DSCDUL-QF ⑩
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD07FR-DCDFR-QF ⑩	-	AB-DSCD07FR-DSCDFR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD07FR-DCDBR-QF ⑩	AB-DCD07BR-DCDBR-QF ⑩	AB-DSCD07FR-DSCDBR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD07BR-DSCDBR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD07XR-DCDXR-QF ⑩	AB-DCD07WR-DCDWR-QF ⑩	AB-DSCD07XR-DSCDXR-QF ⑩	AB-DSCD07WR-DSCDWR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD07WR-DCDUL-QF ⑩	-	AB-DSCD07WR-DSCDUL-QF ⑩

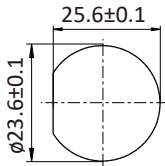
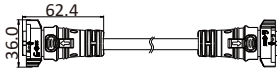
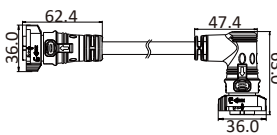
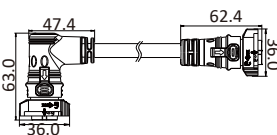
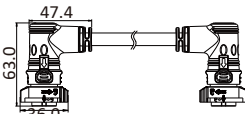
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	7 (3+4)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD07 WL -DMD WL -QC 10 *	AB-DSMD07 XL -DSMD XL -QC 10 *	AB-DSMD07 WL -DSMD WL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD07 WL -DMD XL -QC 10 *	-	AB-DSMD07 WL -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD07 WL -DMD UL -QC 10 *	-	AB-DSMD07 WL -DSMD UL -QC 10 *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD07 WL -DMD WR -QC 10 *	AB-DSMD07 XL -DSMD XR -QC 10 *	AB-DSMD07 WL -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD07 WL -DMD XR -QC 10 *	-	AB-DSMD07 WL -DSMD XR -QC 10 *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD07 WR -DMD XL -QC 10 *	-	AB-DSMD07 WR -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD07 WR -DMD UL -QC 10 *	-	AB-DSMD07 WR -DSMD UL -QC 10 *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD07 WR -DMD WR -QC 10 *	AB-DSMD07 XR -DSMD XR -QC 10 *	AB-DSMD07 WR -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD07 WR -DMD XR -QC 10 *	-	AB-DSMD07 WR -DSMD XR -QC 10 *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

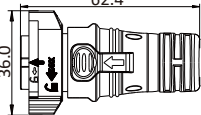
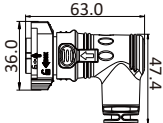
No of Contacts	8 (3+5)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-08AFFM-QL8F 11	DCD-08AFMM-QL8F 11	DSCD-08AFFM-QL8F 11
				DSCD-08AFMM-QL8F 11
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) 11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-08AFFM-QR8F 11	DCD-08AFMM-QR8F 11	DSCD-08AFFM-QR8F 11
				DSCD-08AFMM-QR8F 11

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD08FL-DCDFL-QF 10	-	AB-DSCD08FL-DSCDFL-QF 10	-
	End1: (F) FF End2: (B) FM	AB-DCD08FL-DCDBL-QF 10	-	AB-DSCD08FL-DSCDBL-QF 10	-
	End1: (B) FM End2: (B) FM	-	AB-DCD08BL-DCDBL-QF 10	-	AB-DSCD08BL-DSCDBL-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08XL-DCDXL-QF 10	AB-DCD08WL-DCDWL-QF 10	AB-DSCD08XL-DSCDXL-QF 10	AB-DSCD08WL-DSCDWL-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08WL-DCDXL-QF 10	-	AB-DSCD08WL-DSCDXL-QF 10
	End1: (F) FF End2: (H) MF	AB-DCD08FL-DCDHL-QF 10	-	AB-DSCD08FL-DSCDHL-QF 10	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD08WL-DCDUL-QF 10	-	AB-DSCD08WL-DSCDUL-QF 10
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD08FL-DCDFR-QF 10	-	AB-DSCD08FL-DSCDFR-QF 10	-
	End1: (F) FF End2: (B) FM	AB-DCD08FL-DCDBR-QF 10	-	AB-DSCD08FL-DSCDBR-QF 10	-
	End1: (B) FM End2: (B) FM	-	AB-DCD08BL-DCDBR-QF 10	-	AB-DSCD08BL-DSCDBR-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08XL-DCDXR-QF 10	AB-DCD08WL-DCDWL-QF 10	AB-DSCD08XL-DSCDXR-QF 10	AB-DSCD08WL-DSCDWL-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08WL-DCDXR-QF 10	-	AB-DSCD08WL-DSCDXR-QF 10
	End1: (F) FF End2: (H) MF	AB-DCD08FL-DCDHL-QF 10	-	AB-DSCD08FL-DSCDHL-QF 10	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD08WL-DCDUL-QF 10	-	AB-DSCD08WL-DSCDUL-QF 10
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD08FR-DCDBL-QF 10	-	AB-DSCD08FR-DSCDBL-QF 10	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08WR-DCDXL-QF 10	-	AB-DSCD08WR-DSCDXL-QF 10
	End1: (F) FF End2: (H) MF	AB-DCD08FR-DCDHL-QF 10	-	AB-DSCD08FR-DSCDHL-QF 10	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD08WR-DCDUL-QF 10	-	AB-DSCD08WR-DSCDUL-QF 10
	End1: (F) FF End2: (F) FF	AB-DCD08FR-DCDFR-QF 10	-	AB-DSCD08FR-DSCDFR-QF 10	-
	End1: (F) FF End2: (B) FM	AB-DCD08FR-DCDBR-QF 10	AB-DCD08BR-DCDBR-QF 10	AB-DSCD08FR-DSCDBR-QF 10	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD08BR-DSCDBR-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD08XR-DCDXR-QF 10	AB-DCD08WR-DCDWL-QF 10	AB-DSCD08XR-DSCDXR-QF 10	AB-DSCD08WR-DSCDWL-QF 10
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD08WR-DCDXR-QF 10	-	AB-DSCD08WR-DSCDXR-QF 10
	End1: (F) FF End2: (F) FF	AB-DCD08FR-DCDFR-QF 10	-	AB-DSCD08FR-DSCDFR-QF 10	-

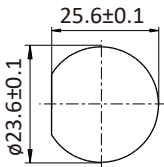
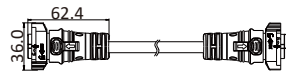
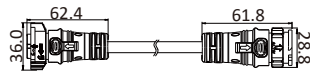
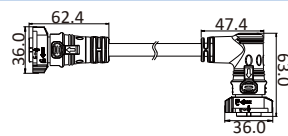
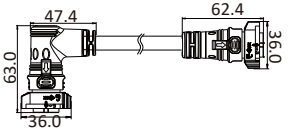
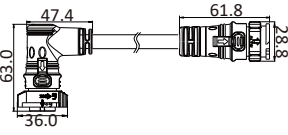
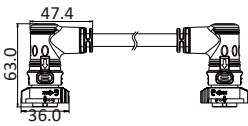
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	8 (3+5)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD08 WL -DMD WL -QC ⑩ *	AB-DSMD08 XL -DSMD XL -QC ⑩ *	AB-DSMD08 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD08 WL -DMD XL -QC ⑩ *	-	AB-DSMD08 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD08 WL -DMD UL -QC ⑩ *	-	AB-DSMD08 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD08 WL -DMD WR -QC ⑩ *	AB-DSMD08 XL -DSMD XR -QC ⑩ *	AB-DSMD08 WL -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD08 WL -DMD XR -QC ⑩ *	-	AB-DSMD08 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD08 WR -DMD XL -QC ⑩ *	-	AB-DSMD08 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD08 WR -DMD UL -QC ⑩ *	-	AB-DSMD08 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD08 WR -DMD WR -QC ⑩ *	AB-DSMD08 XR -DSMD XR -QC ⑩ *	AB-DSMD08 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD08 WR -DMD XR -QC ⑩ *	-	AB-DSMD08 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

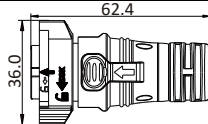
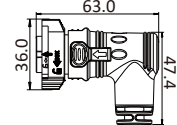
No of Contacts	9 (3+6)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND	FF	FM	FF	FM
				
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A FFM -QL8F ⑪	DCD-09A FMM -QL8F ⑪	DSCD-09A FFM -QL8F ⑪ DSCD-09A FMM -QL8F ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-09A FFM -QR8F ⑪	DCD-09A FMM -QR8F ⑪	DSCD-09A FFM -QR8F ⑪ DSCD-09A FMM -QR8F ⑪

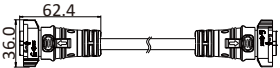
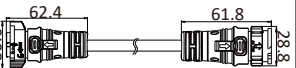
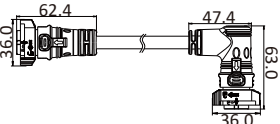
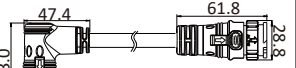
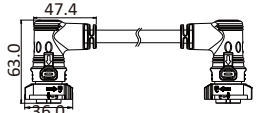
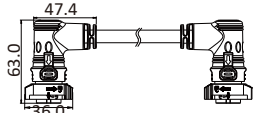
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD09FL-DCDFL-QF ¹⁰	-	AB-DSCD09FL-DSCDFL-QF ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-DCD09FL-DCDBL-QF ¹⁰	-	AB-DSCD09FL-DSCDBL-QF ¹⁰	-
	End1: (B) FM End2: (B) FM	-	AB-DCD09BL-DCDBL-QF ¹⁰	-	AB-DSCD09BL-DSCDBL-QF ¹⁰
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD09XL-DCDXL-QF ¹⁰ - - -	AB-DCD09WL-DCDWL-QF ¹⁰ - - -	AB-DSCD09XL-DSCDXL-QF ¹⁰ - - -	AB-DSCD09WL-DSCDXL-QF ¹⁰ - - -
	End1: (F) FF End2: (H) MF	AB-DCD09FL-DCDHL-QF ¹⁰	-	AB-DSCD09FL-DSCDHL-QF ¹⁰	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD09WL-DCDUL-QF ¹⁰	-	AB-DSCD09WL-DSCDUL-QF ¹⁰
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD09FL-DCDFR-QF ¹⁰	-	AB-DSCD09FL-DSCDFR-QF ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-DCD09FL-DCDBR-QF ¹⁰	-	AB-DSCD09FL-DSCDBR-QF ¹⁰	-
	End1: (B) FM End2: (B) FM	-	AB-DCD09BL-DCDBR-QF ¹⁰	-	AB-DSCD09BL-DSCDBR-QF ¹⁰
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD09XL-DCDXR-QF ¹⁰ - - -	AB-DCD09WL-DCDWR-QF ¹⁰ - - -	AB-DSCD09XL-DSCDXR-QF ¹⁰ - - -	AB-DSCD09WL-DSCDXR-QF ¹⁰ - - -
	End1: (F) FF End2: (H) MF	AB-DCD09FL-DCDHL-QF ¹⁰	-	AB-DSCD09FL-DSCDHL-QF ¹⁰	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD09WL-DCDUL-QF ¹⁰	-	AB-DSCD09WL-DSCDUL-QF ¹⁰
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD09FR-DCDBL-QF ¹⁰	-	AB-DSCD09FR-DSCDBL-QF ¹⁰	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD09WR-DCDXL-QF ¹⁰	-	AB-DSCD09WR-DSCDXL-QF ¹⁰
	End1: (F) FF End2: (H) MF	AB-DCD09FR-DCDHL-QF ¹⁰	-	AB-DSCD09FR-DSCDHL-QF ¹⁰	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD09WR-DCDUL-QF ¹⁰	-	AB-DSCD09WR-DSCDUL-QF ¹⁰
	End1: (F) FF End2: (F) FF	AB-DCD09FR-DCDFR-QF ¹⁰	-	AB-DSCD09FR-DSCDFR-QF ¹⁰	-
	End1: (F) FF End2: (B) FM	AB-DCD09FR-DCDBR-QF ¹⁰	AB-DCD09BR-DCDBR-QF ¹⁰	AB-DSCD09FR-DSCDBR-QF ¹⁰	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD09BR-DSCDBR-QF ¹⁰
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DCD09XR-DCDXR-QF ¹⁰ - - -	AB-DCD09WR-DCDWR-QF ¹⁰ - - -	AB-DSCD09XR-DSCDXR-QF ¹⁰ - - -	AB-DSCD09WR-DSCDXR-QF ¹⁰ - - -

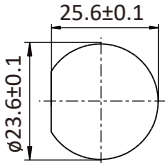
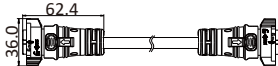
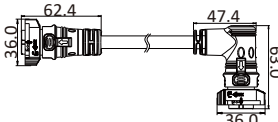
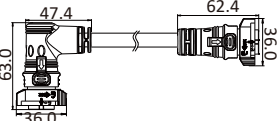
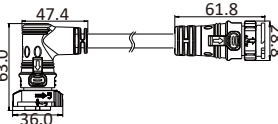
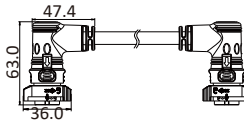
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	9 (3+6)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD09 WL -DMD WL -QC 10 *	AB-DSMD09 XL -DSMD XL -QC 10 *	AB-DSMD09 WL -DSMD WL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD09 WL -DMD XL -QC 10 *	-	AB-DSMD09 WL -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD09 WL -DMD UL -QC 10 *	-	AB-DSMD09 WL -DSMD UL -QC 10 *
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD09 WL -DMD WR -QC 10 *	AB-DSMD09 XL -DSMD XR -QC 10 *	AB-DSMD09 WL -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD09 WL -DMD XR -QC 10 *	-	AB-DSMD09 WL -DSMD XR -QC 10 *
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD09 WR -DMD XL -QC 10 *	-	AB-DSMD09 WR -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD09 WR -DMD UL -QC 10 *	-	AB-DSMD09 WR -DSMD UL -QC 10 *
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) 10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD09 WR -DMD WR -QC 10 *	AB-DSMD09 XR -DSMD XR -QC 10 *	AB-DSMD09 WR -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD09 WR -DMD XR -QC 10 *	-	AB-DSMD09 WR -DSMD XR -QC 10 *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	10 (3+7)				
Rated Voltage (AC/DC)	300 ~ 600V				
Nominal Current	20A+5A				
Plastic / Metal	Plastic		Metal		
Pin Assignment	FF	FM	FF	FM	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A FFM -QL8F ⑪	DCD-10A FMM -QL8F ⑪	DSCD-10A FFM -QL8F ⑪	DSCD-10A FMM -QL8F ⑪
RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm¹⁾					
	UL21996, PVC Jacket (For Hybrid Group)	DCD-10A FFM -QR8F ⑪	DCD-10A FMM -QR8F ⑪	DSCD-10A FFM -QR8F ⑪	DSCD-10A FMM -QR8F ⑪

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD10FL-DCD FL-QF ⑩	-	AB-DSCD10FL-DSCD FL-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD10FL-DCD BL-QF ⑩	-	AB-DSCD10FL-DSCD BL-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD10BL-DCD BL-QF ⑩	-	AB-DSCD10BL-DSCD BL-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10XL-DCD XL-QF ⑩	AB-DCD10WL-DCD WL-QF ⑩	AB-DSCD10XL-DSCD XL-QF ⑩	AB-DSCD10WL-DSCD WL-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10WL-DCD XL-QF ⑩	-	AB-DSCD10WL-DSCD XL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD10FL-DCD HL-QF ⑩	-	AB-DSCD10FL-DSCD HL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD10WL-DCD UL-QF ⑩	-	AB-DSCD10WL-DSCD UL-QF ⑩
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD10FL-DCD FR-QF ⑩	-	AB-DSCD10FL-DSCD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD10FL-DCD BR-QF ⑩	-	AB-DSCD10FL-DSCD BR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD10BL-DCD BR-QF ⑩	-	AB-DSCD10BL-DSCD BR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10XL-DCD XR-QF ⑩	AB-DCD10WL-DCD WR-QF ⑩	AB-DSCD10XL-DSCD XR-QF ⑩	AB-DSCD10WL-DSCD WR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10WL-DCD XR-QF ⑩	-	AB-DSCD10WL-DSCD XR-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD10FR-DCD HL-QF ⑩	-	AB-DSCD10FR-DSCD HL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD10WR-DCD UL-QF ⑩	-	AB-DSCD10WR-DSCD UL-QF ⑩
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (B) FM	AB-DCD10FR-DCD BL-QF ⑩	-	AB-DSCD10FR-DSCD BL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10WR-DCD XL-QF ⑩	-	AB-DSCD10WR-DSCD XL-QF ⑩
	End1: (F) FF End2: (H) MF	AB-DCD10FR-DCD HL-QF ⑩	-	AB-DSCD10FR-DSCD HL-QF ⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD10WR-DCD UL-QF ⑩	-	AB-DSCD10WR-DSCD UL-QF ⑩
	End1: (F) FF End2: (F) FF	AB-DCD10FR-DCD FR-QF ⑩	-	AB-DSCD10FR-DSCD FR-QF ⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD10FR-DCD BR-QF ⑩	AB-DCD10BR-DCD BR-QF ⑩	AB-DSCD10FR-DSCD BR-QF ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD10BR-DSCD BR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD10XR-DCD XR-QF ⑩	AB-DCD10WR-DCD WR-QF ⑩	AB-DSCD10XR-DSCD XR-QF ⑩	AB-DSCD10WR-DSCD WR-QF ⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD10WR-DCD XR-QF ⑩	-	AB-DSCD10WR-DSCD XR-QF ⑩
	End1: (F) FF End2: (F) FF	AB-DCD10FR-DCD FR-QF ⑩	-	AB-DSCD10FR-DSCD FR-QF ⑩	-

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	10 (3+7)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD10 WL -DMD WL -QC ⑩ *	AB-DSMD10 XL -DSMD XL -QC ⑩ *	AB-DSMD10 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD10 WL -DMD XL -QC ⑩ *	-	AB-DSMD10 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD10 WL -DMD UL -QC ⑩ *	-	AB-DSMD10 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD10 WL -DMD WR -QC ⑩ *	AB-DSMD10 XL -DSMD XR -QC ⑩ *	AB-DSMD10 WL -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD10 WL -DMD XR -QC ⑩ *	-	AB-DSMD10 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD10 WR -DMD XL -QC ⑩ *	-	AB-DSMD10 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD10 WR -DMD UL -QC ⑩ *	-	AB-DSMD10 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD10 WR -DMD WR -QC ⑩ *	AB-DSMD10 XR -DSMD XR -QC ⑩ *	AB-DSMD10 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD10 WR -DMD XR -QC ⑩ *	-	AB-DSMD10 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts	11 (3+8)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				



STRAIGHT, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11AFFM-QL8F⑩	DCD-11AFMM-QL8F⑩	DSCD-11AFFM-QL8F⑩

RIGHT ANGLE, Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)

⑩ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-11AFFM-QR8F⑩	DCD-11AFMM-QR8F⑩	DSCD-11AFFM-QR8F⑩

STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD11FL-DCDFL-QF⑩	-	AB-DSCD11FL-DSCDFL-QF⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD11FL-DCDBL-QF⑩	-	AB-DSCD11FL-DSCDBL-QF⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD11BL-DCDBL-QF⑩	-	AB-DSCD11BL-DSCDBL-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11XL-DCDXL-QF⑩	AB-DCD11WL-DCDWL-QF⑩	AB-DSCD11XL-DSCDXL-QF⑩	AB-DSCD11WL-DSCDWL-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11WL-DCDXL-QF⑩	-	AB-DSCD11WL-DSCDXL-QF⑩
	End1: (F) FF End2: (H) MF	AB-DCD11FL-DCDHL-QF⑩	-	AB-DSCD11FL-DSCDHL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11WL-DCDUL-QF⑩	-	AB-DSCD11WL-DSCDUL-QF⑩
	End1: Female Conn Female+Male Contact End2: Male Conn Male+Female Contact	-	AB-DCD11WL-DCDUL-QF⑩	-	AB-DSCD11WL-DSCDUL-QF⑩

STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

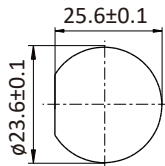
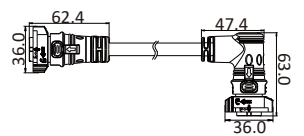
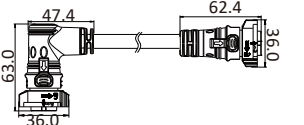
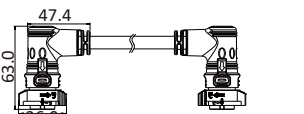
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD11FL-DCDFR-QF⑩	-	AB-DSCD11FL-DSCDFR-QF⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD11FL-DCDBR-QF⑩	-	AB-DSCD11FL-DSCDBR-QF⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DCD11BL-DCDBR-QF⑩	-	AB-DSCD11BL-DSCDBR-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11XL-DCDXR-QF⑩	AB-DCD11WL-DCDWR-QF⑩	AB-DSCD11XL-DSCDXR-QF⑩	AB-DSCD11WL-DSCDWR-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11WL-DCDXR-QF⑩	-	AB-DSCD11WL-DSCDXR-QF⑩
	End1: (F) FF End2: (H) MF	AB-DCD11FL-DCDHL-QF⑩	-	AB-DSCD11FL-DSCDHL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11WL-DCDUL-QF⑩	-	AB-DSCD11WL-DSCDUL-QF⑩
	End1: Female Conn Female+Male Contact End2: Male Conn Male+Female Contact	-	AB-DCD11WL-DCDUL-QF⑩	-	AB-DSCD11WL-DSCDUL-QF⑩

RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD11FR-DCDBL-QF⑩	-	AB-DSCD11FR-DSCDBL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11WR-DCDXL-QF⑩	-	AB-DSCD11WR-DSCDXL-QF⑩
	End1: (F) FF End2: (H) MF	AB-DCD11FR-DCDHL-QF⑩	-	AB-DSCD11FR-DSCDHL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11WR-DCDUL-QF⑩	-	AB-DSCD11WR-DSCDUL-QF⑩
	End1: (F) FF End2: (B) FM	AB-DCD11FR-DCDBR-QF⑩	-	AB-DSCD11FR-DSCDBR-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11WR-DCDXR-QF⑩	-	AB-DSCD11WR-DSCDXR-QF⑩
	End1: (F) FF End2: (H) MF	AB-DCD11FR-DCDHL-QF⑩	-	AB-DSCD11FR-DSCDHL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11WR-DCDUL-QF⑩	-	AB-DSCD11WR-DSCDUL-QF⑩

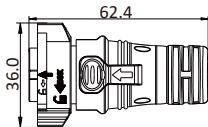
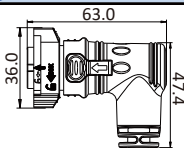
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

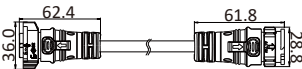
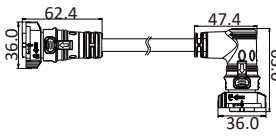
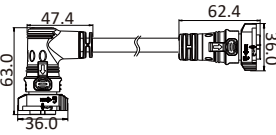
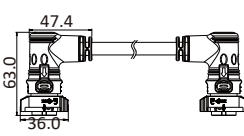
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD11FR-DCDFR-QF⑩	-	AB-DSCD11FR-DSCDFR-QF⑩	-
	End1: (F) FF End2: (B) FM	AB-DCD11FR-DCDBR-QF⑩	AB-DCD11BR-DCDBR-QF⑩	AB-DSCD11FR-DSCDBR-QF⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD11BR-DSCDBR-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD11XR-DCDXR-QF⑩	AB-DCD11WR-DCDWR-QF⑩	AB-DSCD11XR-DSCDXR-QF⑩	AB-DSCD11WR-DSCDWR-QF⑩
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD11WR-DCDXR-QF⑩	-	AB-DSCD11WR-DSCDXR-QF⑩
	End1: (F) FF End2: (H) MF	AB-DCD11FR-DCDHL-QF⑩	-	AB-DSCD11FR-DSCDHL-QF⑩	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD11WR-DCDUL-QF⑩	-	AB-DSCD11WR-DSCDUL-QF⑩
	End1: Female Conn Female+Male Contact End2: Male Conn Male+Female Contact	-	AB-DCD11WR-DCDUL-QF⑩	-	AB-DSCD11WR-DSCDUL-QF⑩

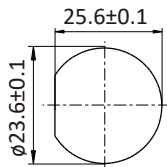
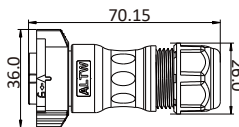
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	11 (3+8)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
Overmolded With Cable Double Ended (Straight to Straight, Push Lock, IP68)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD11 WL -DMD WL -QC 10 *	AB-DSMD11 XL -DSMD XL -QC 10 *	AB-DSMD11 WL -DSMD WL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD11 WL -DMD XL -QC 10 *	-	AB-DSMD11 WL -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD11 WL -DMD UL -QC 10 *	-	AB-DSMD11 WL -DSMD UL -QC 10 *
Overmolded With Cable Double Ended (Straight To Right Angle, Push Lock, IP68)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD11 WL -DMD WR -QC 10 *	AB-DSMD11 XL -DSMD XR -QC 10 *	AB-DSMD11 WL -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD11 WL -DMD XR -QC 10 *	-	AB-DSMD11 WL -DSMD XR -QC 10 *
Overmolded With Cable Double Ended (Right Angle To Straight, Push Lock, IP68)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD11 WR -DMD XL -QC 10 *	-	AB-DSMD11 WR -DSMD XL -QC 10 *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD11 WR -DMD UL -QC 10 *	-	AB-DSMD11 WR -DSMD UL -QC 10 *
Overmolded With Cable Double Ended (Right Angle To Right Angle, Push Lock, IP68)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD11 WR -DMD WR -QC 10 *	AB-DSMD11 XR -DSMD XR -QC 10 *	AB-DSMD11 WR -DSMD WR -QC 10 *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD11 WR -DMD XR -QC 10 *	-	AB-DSMD11 WR -DSMD XR -QC 10 *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

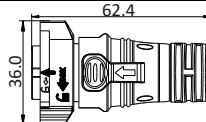
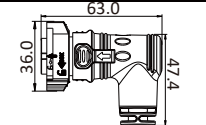
No of Contacts	12		
Rated Voltage (AC/DC)	300 ~ 600V		
Nominal Current	5A		
Plastic / Metal	Plastic	Metal	
Pin Assignment	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND			
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL21388, PVC Jacket (For Data Group)	-	DSD-12A FFM -QL8D ⑪ DSD-12A FM -QL8D ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)			
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾			
	UL21388, PVC Jacket (For Data Group)	-	DSD-12A FFM -QR8D ⑪ DSD-12A FM -QR8D ⑪

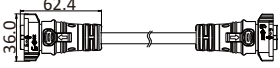
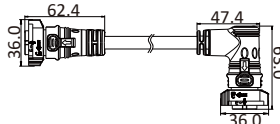
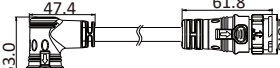
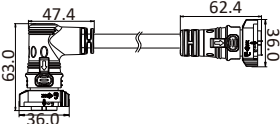
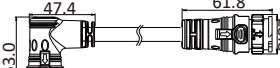
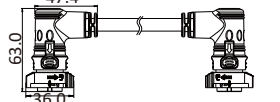
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ^① Connector / Contact Gender: (F) FF, (B) FM, (H) MF				
	End1: (F) FF End2: (F) FF	-	AB-DSD12 FL -DSD FL -QD ⑩	-
	End1: (F) FF End2: (B) FM	-	AB-DSD12 FL -DSD BL -QD ⑩	-
	End1: (B) FM End2: (B) FM	AB-DD12 BL -DD BL -QD ⑩	-	AB-DSD12 BL -DSD BL -QD ⑩
	End1: (F) FF End2: (H) MF	-	AB-DSD12 FL -DSD HL -QD ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ^① Connector / Contact Gender: (F) FF, (B) FM				
	End1: (F) FF End2: (F) FF	-	AB-DSD12 FL -DSD FR -QD ⑩	-
	End1: (F) FF End2: (B) FM	-	AB-DSD12 FL -DSD BR -QD ⑩	-
	End1: (B) FM End2: (B) FM	AB-DD12 BL -DD BR -QD ⑩	-	AB-DSD12 BL -DSD BR -QD ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ^① Connector / Contact Gender: (F) FF, (B) FM, (H) MF				
	End1: (F) FF End2: (B) FM	-	AB-DSD12 FR -DSD BL -QD ⑩	-
	End1: (F) FF End2: (H) MF	-	AB-DSD12 FR -DSD HL -QD ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ^① Connector / Contact Gender: (F) FF, (B) FM				
	End1: (F) FF End2: (F) FF	-	AB-DSD12 FR -DSD FR -QD ⑩	-
	End1: (F) FM End2: (B) FM	AB-DD12 FR -DD BR -QD ⑩	AB-DSD12 FR -DSD BR -QD ⑩	-
	End1: (B) FM End2: (B) FM	-	-	AB-DSD12 BR -DSD BR -QD ⑩

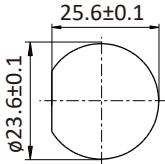
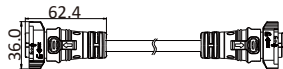
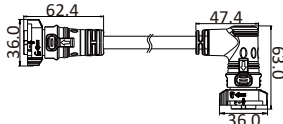
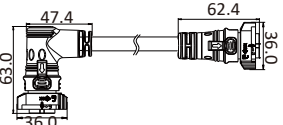
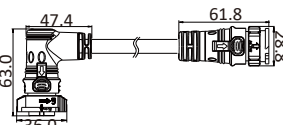
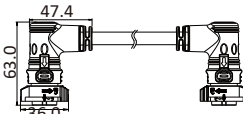
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	12			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic	Metal		
Pin Assignment		FM	FF	FM	
FF : Female Connector Female Contact FM : Female Connector Male Contact					
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With Contacts					
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B FMG -QL8AP0 *	DSD-12B FFG -QL8AP0	DSD-12B FMG -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B FMG -QL8SP0 *	DSD-12B FFG -QL8SP0	DSD-12B FMG -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B FMG -QL8MP0 *	DSD-12B FFG -QL8MP0	DSD-12B FMG -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B FMG -QL8LP0 *	DSD-12B FFG -QL8LP0	DSD-12B FMG -QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B FMB -QL8AP0 *	DSD-12B FFB -QL8AP0	DSD-12B FMB -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B FMB -QL8SP0 *	DSD-12B FFB -QL8SP0	DSD-12B FMB -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B FMB -QL8MP0 *	DSD-12B FFB -QL8MP0	DSD-12B FMB -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B FMB -QL8LP0 *	DSD-12B FFB -QL8LP0	DSD-12B FMB -QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B FME -QL8AP0 *	DSD-12B FFE -QL8AP0	DSD-12B FME -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B FME -QL8SP0 *	DSD-12B FFE -QL8SP0	DSD-12B FME -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B FME -QL8MP0 *	DSD-12B FFE -QL8MP0	DSD-12B FME -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B FME -QL8LP0 *	DSD-12B FFE -QL8LP0	DSD-12B FME -QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-12B FMA -QL8AP0	DSD-12B FFA -QL8AP0	DSD-12B FMA -QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-12B FMA -QL8SP0	DSD-12B FFA -QL8SP0	DSD-12B FMA -QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-12B FMA -QL8MP0	DSD-12B FFA -QL8MP0	DSD-12B FMA -QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-12B FMA -QL8LP0	DSD-12B FFA -QL8LP0	DSD-12B FMA -QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-12B FMA -QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-12B FMA -QL8SN0	-	-
		10.1 ~ 12.0mm Yellow Seal	DD-12B FMA -QL8MN0	-	-
		12.1 ~ 14.0mm Blue Seal	DD-12B FMA -QL8LN0	-	-

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

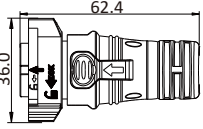
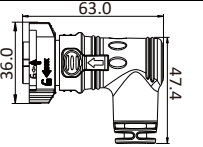
No of Contacts	12 (3+9)			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	20A+5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
(1) Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A FFM -QL8F (1)	DCD-12A FMM -QL8F (1)	DSCD-12A FFM -QL8F (1) DSCD-12A FMM -QL8F (1)
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)				
(1) Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21996, PVC Jacket (For Hybrid Group)	DCD-12A FFM -QR8F (1)	DCD-12A FMM -QR8F (1)	DSCD-12A FFM -QR8F (1) DSCD-12A FMM -QR8F (1)

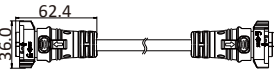
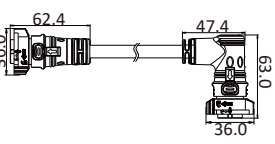
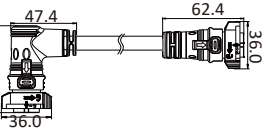
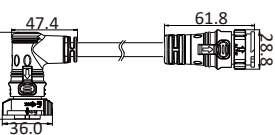
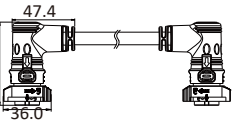
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⁽¹⁰⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DCD12FL-DCDFL-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDFL-QF ⁽¹⁰⁾	-
	End1: (F) FF End2: (B) FM	AB-DCD12FL-DCDBL-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDBL-QF ⁽¹⁰⁾	-
	End1: (B) FM End2: (B) FM	-	AB-DCD12BL-DCDBL-QF ⁽¹⁰⁾	-	AB-DSCD12BL-DSCDBL-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12XL-DCDXL-QF ⁽¹⁰⁾	AB-DCD12WL-DCDWL-QF ⁽¹⁰⁾	AB-DSCD12XL-DSCDXL-QF ⁽¹⁰⁾	AB-DSCD12WL-DSCDWL-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12WL-DCDXL-QF ⁽¹⁰⁾	-	AB-DSCD12WL-DSCDXL-QF ⁽¹⁰⁾
	End1: (F) FF End2: (H) MF	AB-DCD12FL-DCDHL-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDHL-QF ⁽¹⁰⁾	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD12WL-DCDUL-QF ⁽¹⁰⁾	-	AB-DSCD12WL-DSCDUL-QF ⁽¹⁰⁾
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⁽¹⁰⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD12FL-DCDFR-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDFR-QF ⁽¹⁰⁾	-
	End1: (F) FF End2: (B) FM	AB-DCD12FL-DCDBR-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDBR-QF ⁽¹⁰⁾	-
	End1: (B) FM End2: (B) FM	-	AB-DCD12BL-DCDBR-QF ⁽¹⁰⁾	-	AB-DSCD12BL-DSCDBR-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12XL-DCDXR-QF ⁽¹⁰⁾	AB-DCD12WL-DCDWR-QF ⁽¹⁰⁾	AB-DSCD12XL-DSCDXR-QF ⁽¹⁰⁾	AB-DSCD12WL-DSCDWR-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12WL-DCDXR-QF ⁽¹⁰⁾	-	AB-DSCD12WL-DSCDXR-QF ⁽¹⁰⁾
	End1: (F) FF End2: (H) MF	AB-DCD12FL-DCDHL-QF ⁽¹⁰⁾	-	AB-DSCD12FL-DSCDHL-QF ⁽¹⁰⁾	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD12WL-DCDUL-QF ⁽¹⁰⁾	-	AB-DSCD12WL-DSCDUL-QF ⁽¹⁰⁾
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⁽¹⁰⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DCD12FR-DCDBL-QF ⁽¹⁰⁾	-	AB-DSCD12FR-DSCDBL-QF ⁽¹⁰⁾	-
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12WR-DCDXL-QF ⁽¹⁰⁾	-	AB-DSCD12WR-DSCDXL-QF ⁽¹⁰⁾
	End1: (F) FF End2: (H) MF	AB-DCD12FR-DCDHL-QF ⁽¹⁰⁾	-	AB-DSCD12FR-DSCDHL-QF ⁽¹⁰⁾	-
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	-	AB-DCD12WR-DCDUL-QF ⁽¹⁰⁾	-	AB-DSCD12WR-DSCDUL-QF ⁽¹⁰⁾
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⁽¹⁰⁾ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DCD12FR-DCDFR-QF ⁽¹⁰⁾	-	AB-DSCD12FR-DSCDFR-QF ⁽¹⁰⁾	-
	End1: (F) FF End2: (B) FM	AB-DCD12FR-DCDBR-QF ⁽¹⁰⁾	-	AB-DSCD12FR-DSCDBR-QF ⁽¹⁰⁾	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSCD12BR-DSCDBR-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DCD12XR-DCDXR-QF ⁽¹⁰⁾	AB-DCD12WR-DCDWR-QF ⁽¹⁰⁾	AB-DSCD12XR-DSCDXR-QF ⁽¹⁰⁾	AB-DSCD12WR-DSCDWR-QF ⁽¹⁰⁾
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	-	AB-DCD12WR-DCDXR-QF ⁽¹⁰⁾	-	AB-DSCD12WR-DSCDXR-QF ⁽¹⁰⁾

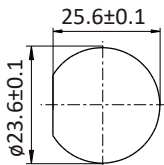
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	12 (3+9)		
Rated Voltage (AC/DC)		300 ~ 600V		
Nominal Current		50A+5A		
Plastic / Metal		Plastic	Metal	
Pin Assignment				
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND F+M : Female PWD + Male GND				
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD12 WL -DMD WL -QC ⑩ *	AB-DSMD12 XL -DSMD XL -QC ⑩ *	AB-DSMD12 WL -DSMD WL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD12 WL -DMD XL -QC ⑩ *	-	AB-DSMD12 WL -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD12 WL -DMD UL -QC ⑩ *	-	AB-DSMD12 WL -DSMD UL -QC ⑩ *
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD12 WL -DMD WR -QC ⑩ *	AB-DSMD12 XL -DSMD XR -QC ⑩ *	AB-DSMD12 WL -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD12 WL -DMD XR -QC ⑩ *	-	AB-DSMD12 WL -DSMD XR -QC ⑩ *
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F, (U) M/F+M				
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD12 WR -DMD XL -QC ⑩ *	-	AB-DSMD12 WR -DSMD XL -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Male Conn Female+Male Contact	AB-DMD12 WR -DMD UL -QC ⑩ *	-	AB-DSMD12 WR -DSMD UL -QC ⑩ *
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)				
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (W) F/F+M, (X) F/M+F				
	End1: Female Conn Female+Male Contact End2: Female Conn Female+Male Contact	AB-DMD12 WR -DMD WR -QC ⑩ *	AB-DSMD12 XR -DSMD XR -QC ⑩ *	AB-DSMD12 WR -DSMD WR -QC ⑩ *
	End1: Female Conn Female+Male Contact End2: Female Conn Male+Female Contact	AB-DMD12 WR -DMD XR -QC ⑩ *	-	AB-DSMD12 WR -DSMD XR -QC ⑩ *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

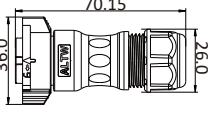
No of Contacts	14			
Rated Voltage (AC/DC)	300 ~ 600V			
Nominal Current	5A			
Plastic / Metal	Plastic		Metal	
Pin Assignment	FF	FM	FF	FM
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND				
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21388, PVC Jacket (For Data Group)	DD-14A FFM -QL8D ⑪	DD-14A FMM -QL8D ⑪	DSD-14A FFM -QL8D ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated) ⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾				
	UL21388, PVC Jacket (For Data Group)	DD-14A FFM -QR8D ⑪	DD-14A FMM -QR8D ⑪	DSD-14A FFM -QR8D ⑪

STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-DD14 FL -DD FL -QD ⑩	-	AB-DSD14 FL -DSD FL -QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD14 FL -DD BL -QD ⑩	-	AB-DSD14 FL -DSD BL -QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DD14 BL -DD BL -QD ⑩	-	AB-DSD14 BL -DSD BL -QD ⑩
	End1: (F) FF End2: (H) MF	AB-DD14 FL -DD HL -QD ⑩	-	AB-DSD14 FL -DSD HL -QD ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-DD14 FL -DD FR -QD ⑩	-	AB-DSD14 FL -DSD FR -QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD14 FL -DD BR -QD ⑩	-	AB-DSD14 FL -DSD BR -QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DD14 BL -DD BR -QD ⑩	-	AB-DSD14 BL -DSD BR -QD ⑩
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (B) FM	AB-DD14 FR -DD BL -QD ⑩	-	AB-DSD14 FR -DSD BL -QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-DD14 FR -DD HL -QD ⑩	-	AB-DSD14 FR -DSD HL -QD ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated) ⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-DD14 FR -DD FR -QD ⑩	-	AB-DSD14 FR -DSD FR -QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD14 FR -DD BR -QD ⑩	AB-DD14 BR -DD BR -QD ⑩	AB-DSD14 FR -DSD BR -QD ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSD14 BR -DSD BR -QD ⑩

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	14			
Rated Voltage (AC/DC)		300 ~ 600V			
Nominal Current		5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		FF	FM	FF	FM
FF : Female Connector Female Contact FM : Female Connector Male Contact					

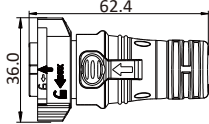
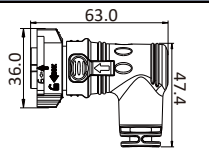
Field Installable (Straight, Without Strain Relief, Push Lock)

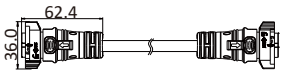
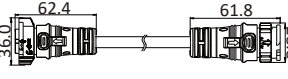
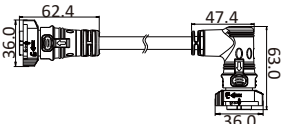
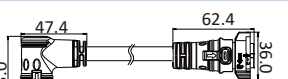
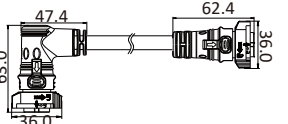
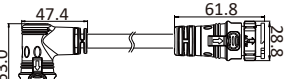
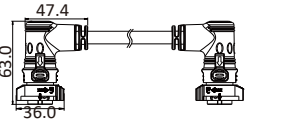
Sealing Nut Torque Value: 6 ~ 15 kgf.cm | Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm | Packing Option: Connector With Contacts

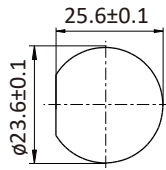
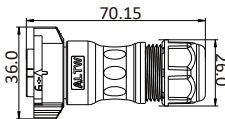
	Solder Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B FFG - QL8AP0 *	DD-14B FMG - QL8AP0 *	DSD-14B FFG - QL8AP0	DSD-14B FMG - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-14B FFG - QL8SP0 *	DD-14B FMG - QL8SP0 *	DSD-14B FFG - QL8SP0	DSD-14B FMG - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-14B FFG - QL8MP0 *	DD-14B FMG - QL8MP0 *	DSD-14B FFG - QL8MP0	DSD-14B FMG - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-14B FFG - QL8LP0 *	DD-14B FMG - QL8LP0 *	DSD-14B FFG - QL8LP0	DSD-14B FMG - QL8LP0
	Screw-in Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B FFB - QL8AP0 *	DD-14B FMB - QL8AP0 *	DSD-14B FFB - QL8AP0	DSD-14B FMB - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-14B FFB - QL8SP0 *	DD-14B FMB - QL8SP0 *	DSD-14B FFB - QL8SP0	DSD-14B FMB - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-14B FFB - QL8MP0 *	DD-14B FMB - QL8MP0 *	DSD-14B FFB - QL8MP0	DSD-14B FMB - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-14B FFB - QL8LP0 *	DD-14B FMB - QL8LP0 *	DSD-14B FFB - QL8LP0	DSD-14B FMB - QL8LP0
	Push-in Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B FFE - QL8AP0 *	DD-14B FME - QL8AP0 *	DSD-14B FFE - QL8AP0	DSD-14B FME - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-14B FFE - QL8SP0 *	DD-14B FME - QL8SP0 *	DSD-14B FFE - QL8SP0	DSD-14B FME - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-14B FFE - QL8MP0 *	DD-14B FME - QL8MP0 *	DSD-14B FFE - QL8MP0	DSD-14B FME - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-14B FFE - QL8LP0 *	DD-14B FME - QL8LP0 *	DSD-14B FFE - QL8LP0	DSD-14B FME - QL8LP0
	Crimp Type, IP68, For Data Group, Packing: Connector With Contacts	All Seals	DD-14B FFA - QL8AP0	DD-14B FMA - QL8AP0	DSD-14B FFA - QL8AP0	DSD-14B FMA - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-14B FFA - QL8SP0	DD-14B FMA - QL8SP0	DSD-14B FFA - QL8SP0	DSD-14B FMA - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-14B FFA - QL8MP0	DD-14B FMA - QL8MP0	DSD-14B FFA - QL8MP0	DSD-14B FMA - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-14B FFA - QL8LP0	DD-14B FMA - QL8LP0	DSD-14B FFA - QL8LP0	DSD-14B FMA - QL8LP0
	Crimp Type, IP68, For Data Group, Packing: Connector Without Contacts	All Seals	DD-14B FFA - QL8AN0	DD-14B FMA - QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-14B FFA - QL8SN0	DD-14B FMA - QL8SN0	-	-
		10.1 ~ 12.0mm Yellow Seal	DD-14B FFA - QL8MN0	DD-14B FMA - QL8MN0	-	-
		12.1 ~ 14.0mm Blue Seal	DD-14B FFA - QL8LN0	DD-14B FMA - QL8LN0	-	-

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

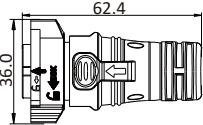
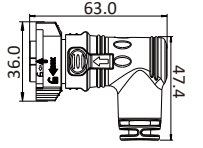
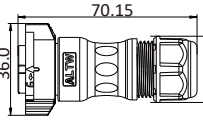
No of Contacts	18				
Rated Voltage (AC/DC)	300 ~ 600V				
Nominal Current	5A				
Plastic / Metal	Plastic		Metal		
Pin Assignment	FF	FM	FF	FM	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact M+F : Male PWD + Female GND, F+M : Female PWD + Male GND					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	DD-18 AFFM - QL8D ⑪	DD-18 AFMM - QL8D ⑪	DSD-18 AFFM - QL8D ⑪	DSD-18 AFMM - QL8D ⑪
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
⑪ Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)	DD-18 AFFM - QR8D ⑪	DD-18 AFMM - QR8D ⑪	DSD-18 AFFM - QR8D ⑪	DSD-18 AFMM - QR8D ⑪

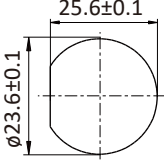
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-DD18FL-DDFL-QD ⑩	-	AB-DSD18FL-DSDFL-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD18FL-DDBL-QD ⑩	-	AB-DSD18FL-DSDBL-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DD18BL-DDBL-QD ⑩	-	AB-DSD18BL-DSDBL-QD ⑩
	End1: (F) FF End2: (H) MF	AB-DD18FL-DDHL-QD ⑩	-	AB-DSD18FL-DSDHL-QD ⑩	-
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (F) FF	AB-DD18FL-DDFR-QD ⑩	-	AB-DSD18FL-DSDFR-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD18FL-DDBR-QD ⑩	-	AB-DSD18FL-DSDBR-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	AB-DD18BL-DDBR-QD ⑩	-	AB-DSD18BL-DSDBR-QD ⑩
	End1: (F) FF End2: (H) MF	AB-DD18FR-DDHL-QD ⑩	-	AB-DSD18FR-DSDHL-QD ⑩	-
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM, (H) MF					
	End1: (F) FF End2: (B) FM	AB-DD18FR-DDBL-QD ⑩	-	AB-DSD18FR-DSDBL-QD ⑩	-
	End1: (F) FF End2: (H) MF	AB-DD18FR-DDHL-QD ⑩	-	AB-DSD18FR-DSDHL-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	-
	End1: (F) FF End2: (H) MF	AB-DD18FR-DDHL-QD ⑩	-	AB-DSD18FR-DSDHL-QD ⑩	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector / Contact Gender: (F) FF, (B) FM					
	End1: (F) FF End2: (F) FF	AB-DD18FR-DDFR-QD ⑩	-	AB-DSD18FR-DSDFR-QD ⑩	-
	End1: (F) FF End2: (B) FM	AB-DD18FR-DDBR-QD ⑩	AB-DD18BR-DDBR-QD ⑩	AB-DSD18FR-DSDBR-QD ⑩	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSD18BR-DSDBR-QD ⑩

No of Contacts	Panel Cut Out Circular Flange (D Cut) 		18			
Rated Voltage (AC/DC)			300 ~ 600V			
Nominal Current			5A			
Plastic / Metal			Plastic		Metal	
Pin Assignment			FF	FM	FF	FM
						
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option: Connector With						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B FFG - QL8AP0 *	DD-18B FMG - QL8AP0 *	DSD-18B FFG - QL8AP0	DSD-18B FMG - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B FFG - QL8SP0 *	DD-18B FMG - QL8SP0 *	DSD-18B FFG - QL8SP0	DSD-18B FMG - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B FFG - QL8MP0 *	DD-18B FMG - QL8MP0 *	DSD-18B FFG - QL8MP0	DSD-18B FMG - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B FFG - QL8LP0 *	DD-18B FMG - QL8LP0 *	DSD-18B FFG - QL8LP0	DSD-18B FMG - QL8LP0
	Screw-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B FFB - QL8AP0 *	DD-18B FMB - QL8AP0 *	DSD-18B FFB - QL8AP0	DSD-18B FMB - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B FFB - QL8SP0 *	DD-18B FMB - QL8SP0 *	DSD-18B FFB - QL8SP0	DSD-18B FMB - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B FFB - QL8MP0 *	DD-18B FMB - QL8MP0 *	DSD-18B FFB - QL8MP0	DSD-18B FMB - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B FFB - QL8LP0 *	DD-18B FMB - QL8LP0 *	DSD-18B FFB - QL8LP0	DSD-18B FMB - QL8LP0
	Push-in Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B FFE - QL8AP0 *	DD-18B FME - QL8AP0 *	DSD-18B FFE - QL8AP0	DSD-18B FME - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B FFE - QL8SP0 *	DD-18B FME - QL8SP0 *	DSD-18B FFE - QL8SP0	DSD-18B FME - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B FFE - QL8MP0 *	DD-18B FME - QL8MP0 *	DSD-18B FFE - QL8MP0	DSD-18B FME - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B FFE - QL8LP0 *	DD-18B FME - QL8LP0 *	DSD-18B FFE - QL8LP0	DSD-18B FME - QL8LP0
	Crimp Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-18B FFA - QL8AP0	DD-18B FMA - QL8AP0	DSD-18B FFA - QL8AP0	DSD-18B FMA - QL8AP0
		8.0 ~ 10.0mm Red Seal	DD-18B FFA - QL8SP0	DD-18B FMA - QL8SP0	DSD-18B FFA - QL8SP0	DSD-18B FMA - QL8SP0
		10.1 ~ 12.0mm Yellow Seal	DD-18B FFA - QL8MP0	DD-18B FMA - QL8MP0	DSD-18B FFA - QL8MP0	DSD-18B FMA - QL8MP0
		12.1 ~ 14.0mm Blue Seal	DD-18B FFA - QL8LP0	DD-18B FMA - QL8LP0	DSD-18B FFA - QL8LP0	DSD-18B FMA - QL8LP0
	Crimp Type, For Data Group, Packing: Connector Without Contacts	All Seals	DD-18B FFA - QL8AN0	DD-18B FMA - QL8AN0	-	-
		8.0 ~ 10.0mm Red Seal	DD-18B FFA - QL8SN0	DD-18B FMA - QL8SN0	-	-
		10.1 ~ 12.0mm Yellow Seal	DD-18B FFA - QL8MN0	DD-18B FMA - QL8MN0	-	-
		12.1 ~ 14.0mm Blue Seal	DD-18B FFA - QL8LN0	DD-18B FMA - QL8LN0	-	-

*Upon Request

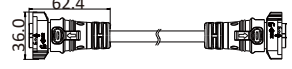
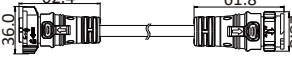
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		78				
Rated Voltage (AC/DC)		60V				
Nominal Current		0.5A				
Plastic / Metal		Plastic		Metal		
Pin Assignment		FF	FM	FF	FM	
FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact						
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)						
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL21388, PVC Jacket (For Data Group)	DD-78AFFM-QL8D 11 *	DD-78AFMM-QL8D 11 *	DSD-78AFFM-QL8D 11 *	DSD-78AFMM-QL8D 11 *	
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)						
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾						
	UL21388, PVC Jacket (For Data Group)	DD-78AFFM-QR8D 11 *	DD-78AFMM-QR8D 11 *	DSD-78AFFM-QR8D 11 *	DSD-78AFMM-QR8D 11 *	
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)						
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm						
Packing Option: Connector						
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-78BFFG-QL8AP0*	DD-78BFMG-QL8AP0*	DSD-78BFFG-QL8AP0*	DSD-78BFMG-QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-78BFFG-QL8SP0*	DD-78BFMG-QL8SP0*	DSD-78BFFG-QL8SP0*	DSD-78BFMG-QL8SP0*
		10.1 ~ 12.0mm Yellow Seal	DD-78BFFG-QL8MP0*	DD-78BFMG-QL8MP0*	DSD-78BFFG-QL8MP0*	DSD-78BFMG-QL8MP0*
		12.1 ~ 14.0mm Blue Seal	DD-78BFFG-QL8LP0*	DD-78BFMG-QL8LP0*	DSD-78BFFG-QL8LP0*	DSD-78BFMG-QL8LP0*

No of Contacts	Panel Cut Out Circular Flange (D Cut) 	78	
Rated Voltage (AC/DC)		60V	
Nominal Current		0.5A	
Plastic / Metal		Plastic	Metal
Pin Assignment FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact			

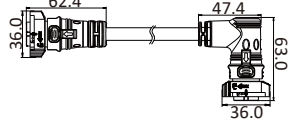
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-DD78FL-DDFL-QD ⑩*	-	AB-DSD78FL-DSDFL-QD ⑩*	-
	End1: (F) FF End2: (B) FM	AB-DD78FL-DDBL-QD ⑩*	-	AB-DSD78FL-DSDBL-QD ⑩*	-
	End1: (B) FM End2: (B) FM	-	AB-DD78BL-DDBL-QD ⑩*	-	AB-DSD78BL-DSDBL-QD ⑩*
	End1: (F) FF End2: (H) MF	AB-DD78FL-DDHL-QD ⑩*	-	AB-DSD78FL-DSDHL-QD ⑩*	-

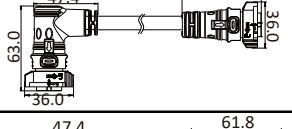
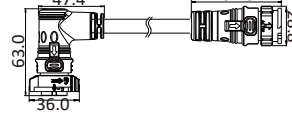
STRAIGHT-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-DD78FL-DDFR-QD ⑩*	-	AB-DSD78FL-DSDFR-QD ⑩*	-
	End1: (F) FF End2: (B) FM	AB-DD78FL-DDBR-QD ⑩*	-	AB-DSD78FL-DSDBR-QD ⑩*	-
	End1: (B) FM End2: (B) FM	-	AB-DD78BL-DDBR-QD ⑩*	-	AB-DSD78BL-DSDBR-QD ⑩*

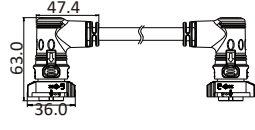
RIGHT ANGLE-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (B) FM	AB-DD78FR-DDBL-QD ⑩*	-	AB-DSD78FR-DSDBL-QD ⑩*	-
	End1: (F) FF End2: (H) MF	AB-DD78FR-DDHL-QD ⑩*	-	AB-DSD78FR-DSDHL-QD ⑩*	-

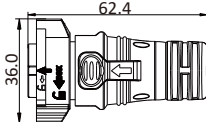
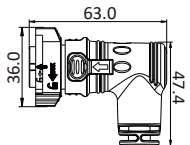
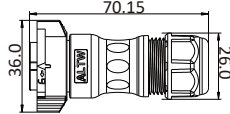
RIGHT ANGLE-TO-RIGHT ANGLE, Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)

⑩ Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M¹⁾ | Connector/Contact Gender: **(F)** FF, **(B)** FM, **(H)** MF

	End1: (F) FF End2: (F) FF	AB-DD78FR-DDFR-QD ⑩*	-	AB-DSD78FR-DSDFR-QD ⑩*	-
	End1: (F) FF End2: (B) FM	AB-DD78FR-DDBR-QD ⑩*	AB-DD78BR-DDBR-QD ⑩*	AB-DSD78FR-DSDBR-QD ⑩*	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSD78BR-DSDBR-QD ⑩*

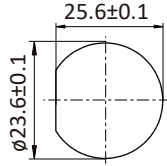
*Upon Request

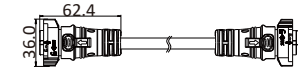
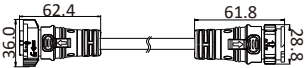
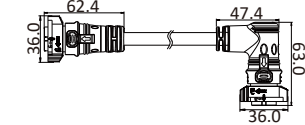
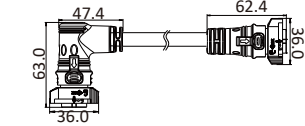
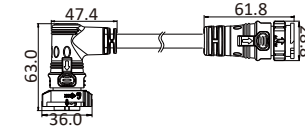
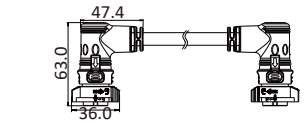
¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

No of Contacts		100			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM/FF	MF/FM	MM/FF	MF/FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)		DD-100 AFFM - QL8D 11 *	DD-100 AFMM - QL8D 11 *	DSD-100 AFFM - QL8D 11 *
RIGHT ANGLE , Overmolded Cable Assembly, Free Cable End, With Strain Relief, Push Lock, IP68 (Mated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ¹⁾					
	UL21388, PVC Jacket (For Data Group)		DD-100 AFFM - QR8D 11 *	DD-100 AFMM - QR8D 11 *	DSD-100 AFFM - QR8D 11 *
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 15 kgf.cm Recommended Cable O.D.: (Red Seal) 4.0 ~ 6.0mm, (Blue Seal) 6.1 ~ 8.0mm Packing Option:					
	Solder Type, For Data Group, Packing: Connector With Contacts	All Seals	DD-100 BFFG - QL8AP0*	DD-100 BFMG - QL8AP0*	DSD-100 BFFG - QL8AP0*
		8.0 ~ 10.0mm Red Seal	DD-100 BFFG - QL8SP0*	DD-100 BFMG - QL8SP0*	DSD-100 BFFG - QL8SP0*
		10.1 ~ 12.0mm Yellow Seal	DD-100 BFFG - QL8MP0*	DD-100 BFMG - QL8MP0*	DSD-100 BFFG - QL8MP0*
		12.1 ~ 14.0mm Blue Seal	DD-100 BFFG - QL8LP0*	DD-100 BFMG - QL8LP0*	DSD-100 BFFG - QL8LP0*

Panel Cut Out

Circular Flange
(D Cut)

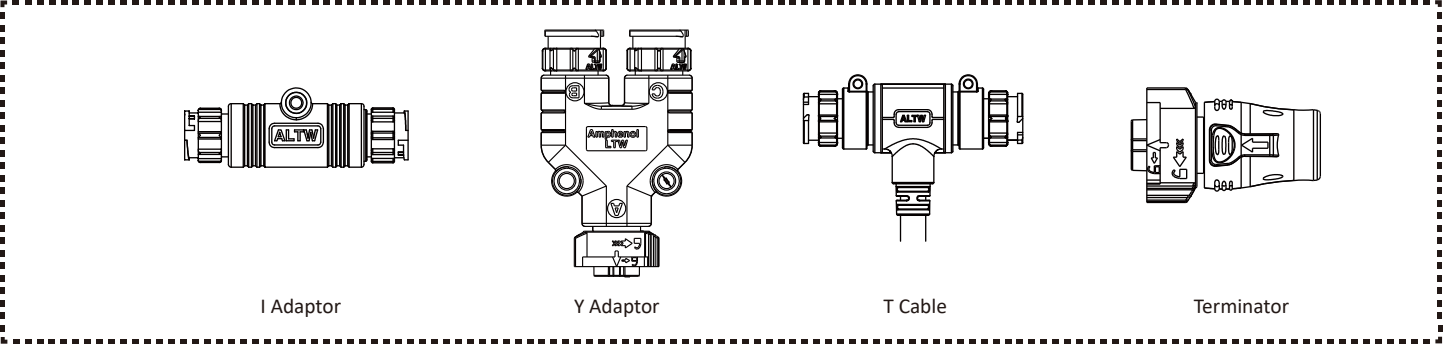


No of Contacts		100			
Rated Voltage (AC/DC)		60V			
Nominal Current		0.5A			
Plastic / Metal		Plastic		Metal	
Pin Assignment		MM/FF	MF/FM	MM/FF	MF/FM
MM: Male Connector Male Contact FF: Female Connector Female Contact MF: Male Connector Female Contact FM: Female Connector Male Contact					
STRAIGHT-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (F) FF	AB-DD100FL-DDFL-QD 10 *	-	AB-DSD100FL-DSDFL-QD 10 *	-
	End1: (F) FF End2: (B) FM	AB-DD100FL-DDBL-QD 10 *	-	AB-DSD100FL-DSDBL-QD 10 *	-
	End1: (F) FF End2: (H) MF	AB-DD100FL-DDHL-QD 10 *	-	AB-DSD100FL-DSDHL-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	AB-DD100BL-DDBL-QD 10 *	-	AB-DSD100BL-DSDBL-QD 10 *
STRAIGHT-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DD100FL-DDFR-QD 10 *	-	AB-DSD100FL-DSDFR-QD 10 *	-
	End1: (F) FF End2: (B) FM	AB-DD100FL-DDBR-QD 10 *	-	AB-DSD100FL-DSDBR-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	AB-DD100BL-DDBR-QD 10 *	-	AB-DSD100BL-DSDBR-QD 10 *
RIGHT ANGLE-TO-STRAIGHT , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F, (U) M/F+M					
	End1: (F) FF End2: (B) FM	AB-DD100FR-DDBL-QD 10 *	-	AB-DSD100FR-DSDBL-QD 10 *	-
	End1: (F) FF End2: (H) MF	AB-DD100FR-DDHL-QD 10 *	-	AB-DSD100FR-DSDHL-QD 10 *	-
RIGHT ANGLE-TO-RIGHT ANGLE , Overmolded Double-Ended Cable Assembly, Push Lock, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ¹⁾ Connector/Contact Gender: (F) FF, (B) FM, (H) MF, (W) F/F+M, (X) F/M+F					
	End1: (F) FF End2: (F) FF	AB-DD100FR-DDFR-QD 10 *	-	AB-DSD100FR-DSDFR-QD 10 *	-
	End1: (F) FF End2: (B) FM	AB-DD100FR-DDBR-QD 10 *	AB-DD100BR-DDBR-QD 10 *	AB-DSD100FR-DSDBR-QD 10 *	-
	End1: (B) FM End2: (B) FM	-	-	-	AB-DSD100BR-DSDBR-QD 10 *

*Upon Request

¹⁾ Standard Lengths: 1M, 2M, 3M, 5M and 10M. Higher MOQ Might Be Required For Non-Standard Lengths

Customization - Upon Request



T Adaptor

1

2

3

① Current Rating:
(DD) 5A*
(DC) 20A
(DSD) 5A, Metal Shielded*

⑤ For Connector 1
⑥ For Connector 2
⑦ For Connector 3

Choose Connector / Contacts Gender:
(M): Male + Male
(F): Female + Female
(H): Male + Female
(B): Female + Male

Nominal Current	No. of Contacts	Mating style	Part Number	More Options
20A(DC)	02, 03, 04, 05	Push Lock	AB-DC-②②②-HBH-TQ001	AB-①-②②②-⑤⑥⑦-TQ001

*Upon Request

Waterproof Cap

For Mating With Male

None

With Rubber Lead

With Fish Line

For Mating With Female

None

With Fish Line

More to choose:

③ None (MA) / With Rubber Lead (PC)
④ None (MA) / With Fish Line (CD)
⑤ None (A) / With Fish Line (D)

Size	Mating Part	Gender of Mating Part	Mating Style	Part Number
D Size	Receptacle	Male	Push Lock	CAP-WADMQ③1
		Female		CAP-WADMQ③2 (Hybrid)
	Overmolded with Cable	Female		CAP-WADFQ④1
		Male		CAP-WADMQM⑤1
				CAP-WADMQM⑤2 (Hybrid)

Contacts & Crimp Tool

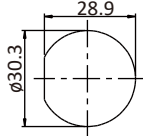
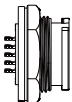
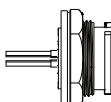
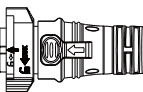
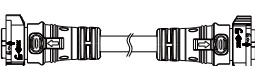
5A

10A/20A

Crimp Tool

Nominal Current	Contact Gender	Part Number	Packages ⑥	Crimp Tool
5A	Male	ASSP-05-M-A-C-⑥	(SA) 50pcs / Box (SB) 100pcs / Box (RE) 5A 3,000pcs / Reel 10A 3,000pcs / Reel 20A 2,000pcs / Reel	P/N: ASST-C-05-W-A (22 ~ 20AWG 0.34 ~ 0.50mm ²)
	Female	ASSP-05-F-A-C-⑥		
20A	Male	ASSP-20-M-A-C-⑥		P/N: ASST-C-20-W-C (14 ~ 12AWG 2.50 ~ 4.00mm ²)
	Female	ASSP-20-F-A-C-⑥		

Macro E Size

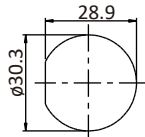
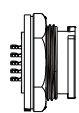
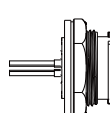
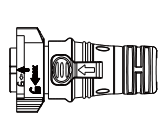
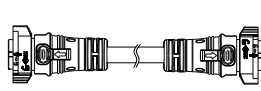
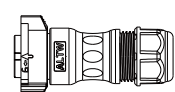
No of Contacts	Panel Cut Out Circular Flange (D Cut) 	4 (3+1)	4 (2+2)	5 (3+2)	
Rated Voltage (AC/DC)		300 ~ 600V	300 ~ 600V	300 ~ 600V	
Nominal Current		50A+5A	80A+5A	50A+5A	80A+5A
Plastic / Metal		Plastic	Plastic	Plastic	
Pin Assignment		MM/FF	MM/FF	MM/FF	
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact					
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 3.5mm					
	NEW Solder Type (For Data Group)	-	-	-	-
	Crimp Type (For Data Group)	EMD-04P MM C- QC8001 *	EPD-04P MM C- QC8001 *	EMD-05P MM C- QC8001 *	EPD-05P MM C- QC8001 *
	180° PCB Type (For Data Group)	EMD-04P MM P- QC8001 *	EPD-04P MM P- QC8001 *	EMD-05P MM P- QC8001 *	EPD-05P MM P- QC8001 *
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ⁽¹⁾ Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 3.5mm					
	NEW Solder Type, UL1430, XL-PVC Jacket	-	-	-	-
	Crimp Type, UL1015+UL1430, PVC+XL-PVC Jacket	EMD-04P MM C- QC8C 11 *	EPD-04P MM C- QC8C 11 *	EMD-05P MM C- QC8C 11 *	EPD-05P MM C- QC8C 11 *
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)					
11 Wire Length: (10) 100mm ~ (50) 500mm ⁽¹⁾					
	NEW UL21388, PVC Jacket (For Data Group)	-	-	-	-
	UL21996, PVC Jacket (For Hybrid Group)	EMD-04A FF M- QL8F 11 *	EPD-04A FF M- QL8F 11 *	EMD-05A FF M- QL8F 11 *	EPD-05A FF M- QL8F 11 *
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)					
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF					
	NEW End1: (F) FF End2: (F) FF	AB-EMD04 FL - EMD FL -QF 10 *	AB-EPD04 FL - EPD FL -QF 10 *	AB-EMD05 FL - EMD FL -QF 10 *	AB-EPD05 FL - EPD FL -QF 10 *
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)					
Sealing Nut Torque Value: 6 ~ 8 kgf.cm Recommended Cable O.D.: (ED / EDM) 14.5 ~ 19.0mm, (EPD) 24.0 ~ 28.0mm Packing Option: Connector With Contacts					
	NEW Screw-in Type (For Data and Hybrid Group)	EMD-04B FF B- QL8AP0 *	EPD-04B FF B- QL8AP0 *	EMD-05B FF B- QL8AP0 *	EPD-05B FF B- QL8AP0 *
	Crimp Type (For Data and Hybrid Group)	EMD-04B FF A- QL8AP0 *	EPD-04B FF A- QL8AP0 *	EMD-05B FF A- QL8AP0 *	EPD-05B FF A- QL8AP0 *

Macro E Size

6 (3+3)	6 (2+4)	7 (3+4)		8 (3+5)	9 (3+6)	10 (3+7)
300 ~ 600V	300 ~ 600V	300 ~ 600V		300 ~ 600V	300 ~ 600V	300 ~ 600V
50A+5A	80A+5A	50A+5A	80A+5A	50A+5A	50A+5A	50A+5A
Plastic	Plastic	Plastic		Plastic	Plastic	Plastic
MM/FF	MM/FF	MM/FF		MM/FF	MM/FF	MM/FF
						
-	-	-	-	-	-	-
EMD-06PMM C- QC8001 *	EPD-06PMM C- QC8001 *	EMD-07PMM C- QC8001 *	EPD-07PMM C- QC8001 *	EMD-08PMM C- QC8001 *	EMD-09PMM C- QC8001 *	EMD-10PMM C- QC8001 *
EMD-06PMM P- QC8001 *	EPD-06PMM P- QC8001 *	EMD-07PMM P- QC8001 *	EPD-07PMM P- QC8001 *	EMD-08PMM P- QC8001 *	EMD-09PMM P- QC8001 *	EMD-10PMM P- QC8001 *
-	-	-	-	-	-	-
EMD-06PMM C- QC8C 11 *	EPD-06PMM C- QC8C 11 *	EMD-07PMM C- QC8C 11 *	EPD-07PMM C- QC8C 11 *	EMD-08PMM C- QC8C 11 *	EMD-09PMM C- QC8C 11 *	EMD-10PMM C- QC8C 11 *
-	-	-	-	-	-	-
EMD-06AFFM- QL8F 11 *	EPD-06AFFM- QL8F 11 *	EMD-07AFFM- QL8F 11 *	EPD-07AFFM- QL8F 11 *	EMD-08AFFM- QL8F 11 *	EMD-09AFFM- QL8F 11 *	EMD-10AFFM- QL8F 11 *
AB-EMD06FL- EMD FL-QF 10 *	AB-EPD06FL- EPD FL-QF 10 *	AB-EMD07FL- EMD FL-QF 10 *	AB-EPD07FL- EPD FL-QF 10 *	AB-EMD08FL- EMD FL-QF 10 *	AB-EMD09FL- EMD FL-QF 10 *	AB-EMD10FL- EMD FL-QF 10 *
EMD-06BFFB- QL8AP0 *	EPD-06BFFB- QL8AP0 *	EMD-07BFFB- QL8AP0 *	EPD-07BFFB- QL8AP0 *	EMD-08BFFB- QL8AP0 *	EMD-09BFFB- QL8AP0 *	EMD-10BFFB- QL8AP0 *
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No of Contacts	Panel Cut Out Circular Flange (D Cut) 	11 (3+8)	12 (3+9)	31
Rated Voltage (AC/DC)		300 ~ 600V	300 ~ 600V	300 ~ 600V
Nominal Current		50A+5A	50A+5A	5A
Plastic / Metal		Plastic	Plastic	Plastic
Pin Assignment		MM/FF	MM/FF	MM/FF
MM : Male Connector Male Contact FF : Female Connector Female Contact MF : Male Connector Female Contact FM : Female Connector Male Contact				
Receptacle, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)				
Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 3.5mm				
	NEW Solder Type (For Data Group)	-	-	ED-31PMM S - QC8001
	Crimp Type (For Data Group)	EMD-11PMM C - QC8001 *	EMD-12PMM C - QC8001 *	-
	180° PCB Type (For Data Group)	EMD-11PMM P - QC8001 *	EMD-12PMM P - QC8001 *	ED-31PMM P - QC8001
Receptacle With Wires, Circular Flange, FRONT Fastened Nut, Push Lock, IP68 (Unmated)				
11 Wire Length: (10) 100mm ~ (50) 500mm ⁽¹⁾ Nut Torque Value: 10 ~ 12 kgf.cm Recommended Panel Thickness: max. 3.5mm				
	NEW Solder Type, UL1430, XL-PVC Jacket	-	-	ED-31PMM S - QC8A 11
	Crimp Type, UL1015+UL1430, PVC+XL-PVC Jacket	EMD-11PMM C - QC8C 11 *	EMD-12PMM C - QC8C 11 *	-
STRAIGHT, Overmolded Cable Assembly, Free Cable End, Without Strain Relief, Push Lock, IP68 (Mated)				
11 Wire Length: (10) 100mm ~ (50) 500mm ⁽¹⁾				
	NEW UL21388, PVC Jacket (For Data Group)	-	-	ED-31AFFM- QL8F 11
	UL21996, PVC Jacket (For Hybrid Group)	EMD-11AFFM- QL8F 11 *	EMD-12AFFM- QL8F 11 *	-
STRAIGHT-TO-STRAIGHT, Overmolded Double-Ended Cable Assembly, IP68 (Mated)				
10 Cable Length: (A05) 0.5M, (001) 1M ~ (099) 99M ⁽¹⁾ Connector / Contact Gender: (F) FF				
	NEW End1: (F) FF End2: (F) FF	AB-EMD11FL- EMD FL-QF 10 *	AB-EMD12FL- EMD FL-QF 10 *	AB-ED31FL- ED FL-QF 10
Field Serviceable/Installable, STRAIGHT , Without Strain Relief, Push Lock, IP68 (Mated)				
Sealing Nut Torque Value: 6 ~ 8 kgf.cm Recommended Cable O.D.: (ED / EDM) 14.5 ~ 19.0mm, (EPD) 24.0 ~ 28.0mm Packing Option:				
	NEW Screw-in Type (For Data and Hybrid Group)	EMD-11BFFB- QL8AP0 *	EMD-12BFFB- QL8AP0 *	-
	Crimp Type (For Data and Hybrid Group)	EMD-11BFFA- QL8AP0 *	EMD-12BFFA- QL8AP0 *	-

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Assembly Instruction Screw-In Type



Nominal Current	2A	5A		10A	20A
Wire Range	24 ~ 22 AWG (0.25 ~ 0.34mm ²)	22 ~ 20 AWG (0.34 ~ 0.50mm ²)		18 ~ 16 AWG (0.75 ~ 1.50mm ²)	14 ~ 12 AWG (2.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	Mini Size 4.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Blue Seal)	Mini Size 4.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Blue Seal)	Middle Size 6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)	Standard Size 5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1~10.0 (Blue Seal)	Middle Size 6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)
		Standard Size 5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	Large Size 8.0 ~ 10.0 (Red Seal) 10.1 ~ 12.0 (Yellow Seal) 12.1 ~ 14.0 (Blue Seal)	Middle Size 6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)	Large Size 8.0 ~ 10.0 (Red Seal) 10.1 ~ 12.0 (Yellow Seal) 12.1 ~ 14.0 (Blue Seal)

1

Wire Assembly Side

Follow the order from 4 to 2 and put components through cable accordingly, no need to assemble here.

2

	Unit: mm
(A) Insulation	27.0
(B) Jacket	5.0

Follow suggested stripping length of (A) Jacket, (B) Insulation.

3

Torque Force: 4.0 ~ 5.0 kgf-cm

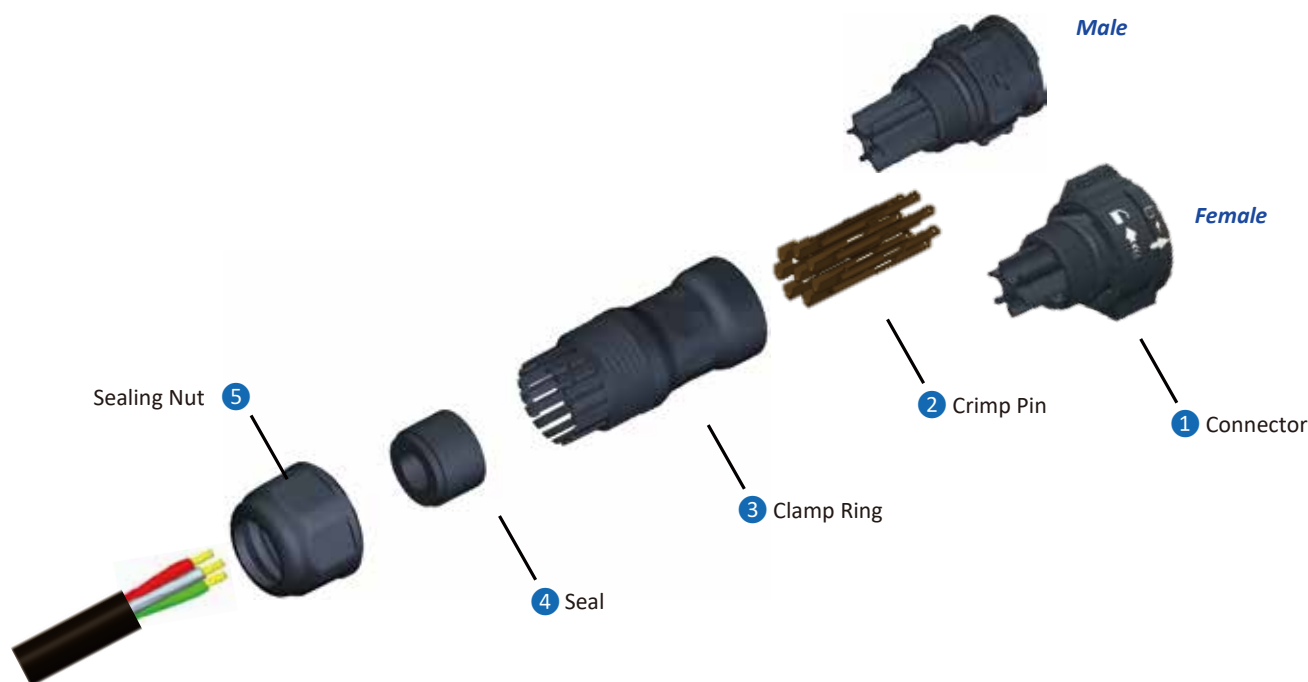
Insert wires into contacts until the conductors are completely covered. Then tighten the screw by screw driver.

4

Follow the order 2 → 1, 3 → 2, 4 → 2 to assemble all components. And tighten 1 & 2, 2 & 4 with suggested torque force.

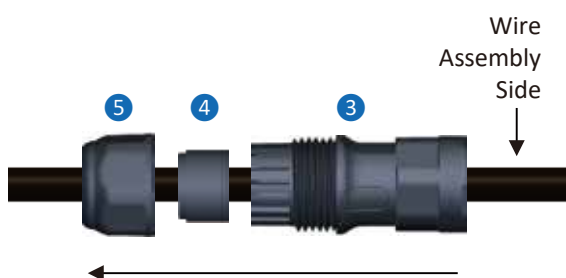
	1 & 2	2 & 4
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Assembly Instruction Crimp Type



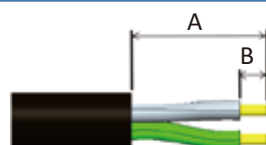
Nominal Current	5A		10A	20A
Wire Range	22 ~ 20AWG (0.34 ~ 0.50mm ²)		18 ~ 16AWG (0.75 ~ 1.50mm ²)	14 ~ 12AWG (2.50 ~ 4.00mm ²)
Cable O.D. (Unit: mm)	Mini Size	Middle Size	Standard Size	Middle Size
	4.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Blue Seal)	6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)	5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)
	Standard Size	Large Size	Middle Size	Large Size
	5.0 ~ 6.0 (Red Seal) 6.1 ~ 8.0 (Yellow Seal) 8.1 ~ 10.0 (Blue Seal)	8.0 ~ 10.0 (Red Seal) 10.1 ~ 12.0 (Yellow Seal) 12.1 ~ 14.0 (Blue Seal)	6.0 ~ 8.0 (Red Seal) 8.1 ~ 10.0 (Yellow Seal) 10.1 ~ 12.0 (Blue Seal)	8.0 ~ 10.0 (Red Seal) 10.1 ~ 12.0 (Yellow Seal) 12.1 ~ 14.0 (Blue Seal)

1



Follow the order from 5 to 3 and put components through cable accordingly, no need to assemble here.

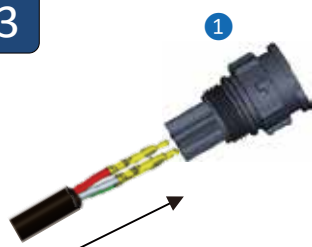
2



Current Rating	(A) Insulation	(B) Jacket
5A	16 ~ 18	3.5 ~ 4.0
10A	16 ~ 18	5.0 ~ 5.5
20A	18 ~ 20	5.0 ~ 5.5

Follow suggested stripping length of (A) Jacket, (B) Insulation.

3



Terminate conductors onto crimp contacts and insert them into 1 until you hear click sound.

4



Follow the order 3 → 1, 4 → 3, 5 → 3 to assemble all components. And tighten 1 & 3, 3 & 5 with suggested torque force.

	1 & 3	3 & 5
Torque Force (Unit: kgf-cm)	6.0 ~ 8.0	8.0 ~ 15.0

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011181	PVC	Black	SJTW	12AWG*2C+Filler	10.70	60.80	163.10
WCA00011226	PVC	Black	SJTW	12AWG*3C	11.20	89.60	222.90
WCA00011182	PVC	Black	SJTW	12AWG*3C+Filler	11.70	89.85	207.67
WCA00011243	PVC	Black	UL2464	12AWG*3C+Filler	10.00	90.00	164.40
WCA00011242	PVC	Black	UL2464	12AWG*4C+Filler	11.00	120.40	228.70
WCA00012002	PVC	Black	SJTW	12AWG*4C+Filler	12.30	122.00	293.00
WCA00011183	PVC	Black	SJTW	12AWG*5C+Filler	13.60	149.50	328.90
WCA00010846	PVC	Black	UL1277, UL1581&UL83	14AWG*3C	9.70	53.80	134.20
WCA0485XX01	PVC	Black	UL2464	14AWG*3C+Talcum	7.00	55.80	100.10
WCA00011884	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00012012	PU	Black	UL20234	14AWG*5C+Filler+Paper	10.00	115.70	180.00
WCA00011201	PVC	Black	UL21388	16AWG*2C+AL/Mylar	8.20	23.80	60.20
WCA00011206	PVC	Black	SJTW	16AWG*2C+Filler	8.20	24.25	85.10
WCA0264UV01	PVC	Black	UL2464	16AWG*2C+Talcum	5.80	23.80	57.70
WCA00010942	PVC	Black	UL2464	16AWG*2C+Talcum	7.80	24.20	95.00
WCA00010625	PVC	Black	UL2464	16AWG*3C+AL.Mylar+Drain	7.50	46.80	96.60
WCA00011202	PVC	Black	UL21388	16AWG*3C+AL/Mylar	8.60	35.70	71.50
WCA0579UV01	PVC	Black	UL2464	16AWG*3C+Drain+AL.Mylar	7.50	46.70	97.90
WCA00011207	PVC	Black	SJTW	16AWG*3C+Filler	8.60	36.02	105.21
WCA0285UV01	PVC	Black	UL2464	16AWG*4C+AL.Mylar	7.50	47.60	99.90
WCA00011203	PVC	Black	UL21388	16AWG*4C+AL/Mylar	9.30	47.60	88.40
WCA00011208	PVC	Black	SJTW	16AWG*4C+Filler	9.30	49.00	131.50
WCA00011204	PVC	Black	UL21388	16AWG*5C+AL/Mylar	10.70	59.40	99.80
WCA0263UV01	PVC	Black	UL2464	16AWG*5C+Talcum	7.80	59.50	108.80
WCA00011205	PVC	Black	UL21388	16AWG*6C+AL/PET	11.70	71.30	123.30
WCA0582UV01	PVC	Black	UL2464	16AWG*6C+Filler+Drain+AL.Mylar	9.50	82.10	153.60
WCA0583UV01	PVC	Black	UL2464	16AWG*7C+Drain+AL.Mylar	9.50	93.60	175.70
WCA00011299	PVC	Black	UL2464	18AWG*10C	9.00	77.00	145.00
WCE00010070-43	PVC	Black	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCE00010074-43	PVC	White	UL21996	18AWG*2C+Talcum	3.4*5.3	14.82	36.97
WCA00010897	PVC	Black	UL1277, UL15, 81&UL83	18AWG*3C	8.50	21.30	81.93
WCA00011209	PVC	Black	SJTW	18AWG*3C+Filler	8.00	21.30	81.93
WCA00010898	PVC	Black	UL1277, UL15, 81&UL83	18AWG*4C	9.20	35.00	125.00
WCE00010071-43	PVC	Black	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCE00010075-43	PVC	White	UL21996	18AWG*4C+Talcum	3.4*9.2	29.64	68.14
WCA00011240	PVC	Black	UL2464	20AWG*10C+AL.Mylar+Filler	9.00	48.00	116.40
WCA00011192	PVC	Black	UL21388	20AWG*10C+AL/Mylar	8.50	48.00	109.70
WCA00011436	PVC	Black	UL2464	20AWG*12C+AL.Mylar+Filler	9.00	57.60	125.10
WCA00011193	PVC	Black	UL21388	20AWG*12C+AL/Mylar	8.50	57.60	121.70
WCA00011200	PVC	Black	UL21388	20AWG*14C+AL/Mylar	8.50	67.20	130.60
WCA0470XX01	PVC	Black	UL2464	20AWG*14C+Braid	9.50	87.90	161.30
WCA0153XX01	PVC	Black	UL2464	20AWG*18C+AL.Mylar	9.50	86.40	154.20
WCA00011581-43	PVC	Black	UL 21996	20AWG*2C	5.20	9.40	34.02
WCA00011194	PVC	Black	UL21388	20AWG*18C+AL/Mylar	10.00	86.40	174.70
WCA00010781	PVC	Black	UL2464	20AWG*2C+AL.Mylar+Braid	5.50	17.70	41.60
WCA00011184	PVC	Black	UL21388	20AWG*2C+AL/Mylar	5.50	9.60	27.40
WCA0124UV01	PVC	Black	UL2464	20AWG*2C+Drain+AL.Mylar	5.80	14.40	48.40
WCE00010072-43	PVC	Black	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCE00010076-43	PVC	White	UL21996	20AWG*2C+Talcum	3.2*5.0	14.10	41.45
WCA00011580-43	PVC	Black	UL 21996	20AWG*3C	5.50	14.10	41.45
WCA0489UV01	PVC	Black	UL2464	20AWG*3C+AL.Mylar	5.00	14.40	39.30
WCA00010602	PVC	Black	UL2464	20AWG*3C+AL.Mylar+Braid+Drain	5.50	29.20	61.90
WCA00011185	PVC	Black	UL21388	20AWG*3C+AL/Mylar	5.50	14.40	43.70
WCA00011548-43	PVC	Black	UL 21996	20AWG*4C	6.00	18.80	48.46
WCA00011186	PVC	Black	UL21388	20AWG*4C+AL/Mylar	6.00	19.20	51.40
WCA0575UV01	PVC	Black	UL2464	20AWG*4C+Drain+AL.Mylar	5.50	24.00	52.10
WCE00010073-43	PVC	Black	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCE00010077-43	PVC	White	UL21996	20AWG*4C+Talcum	3.2*8.5	18.80	53.34
WCA00011187	PVC	Black	UL21388	20AWG*5C+AL/Mylar	6.20	24.00	59.20
WCA0576UV01	PVC	Black	UL2464	20AWG*5C+Drain+AL.Mylar	6.00	28.80	62.70
WCA00011188	PVC	Black	UL21388	20AWG*6C+AL/Mylar	6.80	28.80	71.80
WCA0577UV01	PVC	Black	UL2464	20AWG*6C+Drain+AL.Mylar	6.50	33.60	76.80
WCA00011189	PVC	Black	UL21388	20AWG*7C+AL/Mylar	6.80	33.60	75.80
WCA00010049	PVC	Black	UL2464	20AWG*7C+Drain+AL.Mylar	6.50	38.40	74.80
WCA00010550	PVC	Black	UL2464	20AWG*8C+AL.Mylar+Drain+Filler	6.80	43.00	86.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011190	PVC	Black	UL21388	20AWG*8C+AL/Mylar	7.20	38.40	87.00
WCA00011489-28	PVC	Black	UL2464	20AWG*9C+AL.Mylar+Drain	7.40	48.50	101.80
WCA00011191	PVC	Black	UL21388	20AWG*9C+AL/Mylar	7.60	43.20	97.30
WCA00010868	PVC	Black	UL2464	22AWG*2C+Talcum	4.20	6.20	24.60
WCA00011339	PVC	Yellow	UL2517	22AWG*3C	4.50	9.00	31.50
WCA00011343	PU	Black	UL20549	22AWG*3C	3.80	9.00	26.00
WCA00011459-28	PVC	Black	UL2517	22AWG*3C	4.50	9.30	31.00
WCA00010063	PU	Black	NONUL	22AWG*3C+Talcum	4.50	9.00	26.40
WCA0570UV01	PVC	Black	UL2464	22AWG*3C+Talcum	5.00	9.30	35.20
WCA00011340	PVC	Yellow	UL2517	22AWG*4C	4.80	11.70	40.00
WCA00011344	PU	Black	UL20549	22AWG*4C	4.00	12.00	31.80
WCA00011460-28	PVC	Black	UL2517	22AWG*4C	4.80	12.00	38.00
WCA00011813-01	PVC	Black	UL2517	22AWG*4C+AL.Mylar+Braid	5.30	22.00	46.00
WCA00011872	PU	Black	UL20549	22AWG*4C+AL.Mylar+Braid+Paper	5.30	22.00	48.00
WCA00010062	PU	Black	NONUL	22AWG*4C+Insulation	4.80	12.00	29.40
WCA0571UV01	PVC	Black	UL2464	22AWG*4C+Talcum	5.00	12.40	38.60
WCA00011341	PVC	Yellow	UL2517	22AWG*5C	5.10	15.50	43.80
WCA00011687-01	PVC	Black	UL2517	22AWG*5C+AL.Mylar+Filler+Braid	5.70	26.00	58.00
WCA00011345	PU	Black	UL20549	22AWG*5C+Filler	4.40	15.00	43.50
WCA00011461-28	PVC	Black	UL2517	22AWG*5C+Filler	5.10	15.00	43.00
WCA00011870	PU	Black	UL20549	22AWG*5C+Filler+AL.Mylar+Braid+Paper	5.70	26.00	51.00
WCA00012245	PU	Black	UL20549	22AWG*5C+Filler+Paper	5.60	19.00	51.00
WCA00010061	PU	Black	NONUL	22AWG*5C+Filler+Talcum+Paper	5.00	15.50	38.50
WCA0352XX02	PU	Black	NONUL	22AWG*5C+Talcum	5.00	15.50	47.50
WCA0521UV01	PVC	Black	UL2464	22AWG*5C+Talcum	5.50	15.50	47.50
WCA0556UV01	PVC	Black	UL2464	24AWG*10C+Drain+AL.Mylar	6.50	22.00	63.80
WCA0557UV01	PVC	Black	UL2464	24AWG*12C+Drain+AL.Mylar	7.00	26.00	72.30
WCA0558UV01	PVC	Black	UL2464	24AWG*14C+Drain+AL.Mylar	7.00	30.00	77.10
WCA0465UV01	PVC	Black	UL2464	24AWG*15C+Drain+AL.Mylar	7.00	32.00	77.60
WCA0560UV01	PVC	Black	UL2464	24AWG*18C+Drain+AL.Mylar	8.00	38.00	100.70
WCA0284UV01	PVC	Black	UL2464	24AWG*25C+Drain+AL.Mylar	9.00	51.90	130.90
WCA0072UV01	PVC	Black	UL2464	24AWG*2C+Drain+AL.Mylar	4.20	6.00	24.00
WCA0027UV01	PVC	Black	UL2464	24AWG*2C+Talcum	4.20	4.00	22.70
WCA00010114	PVC	Black	UL2464	24AWG*37C+Drain+AL/Mylar	9.50	74.00	153.20
WCA00011746-03	PVC	Black	UL2517	24AWG*3C+AL.Mylar+Braid	4.60	13.10	31.30
WCA0549UV01	PVC	Black	UL2464	24AWG*3C+Drain+AL.Mylar	4.50	8.00	29.00
WCA0006UV01	PVC	Black	UL2464	24AWG*3C+Talcum	4.50	6.00	27.70
WCA00011726-03	PVC	Black	UL2517	24AWG*4C+AL.Mylar+Braid	5.00	16.40	38.50
WCA0219UV01	PVC	Black	UL2464	24AWG*4C+Drain+AL.Mylar	5.80	10.00	45.60
WCA0036UV01	PVC	Black	UL2464	24AWG*4C+Talcum	5.00	8.00	32.40
WCA00011584-43	PVC	Black	UL 21996	24AWG*5C	5.50	9.88	41.20
WCA0551UV01	PVC	Black	UL2464	24AWG*5C+Drain+AL.Mylar	5.00	12.00	37.00
WCA0229UV01	PVC	Black	UL2464	24AWG*5C+Talcum	5.00	10.00	34.40
WCA00011583-43	PVC	Black	UL 21996	24AWG*6C	5.80	11.86	45.21
WCA00011214	PVC	Black	UL2464	24AWG*6C+AL.Mylar	5.00	12.00	39.40
WCA0217UV01	PVC	Black	UL2464	24AWG*6C+Drain+AL.Mylar	5.80	14.00	45.00
WCA00011479-28	PVC	Black	UL2517	24AWG*6C+Filler	5.00	12.00	40.00
WCA00012067	PVC	Black	UL21388	24AWG*6C+Filler+AL.Mylar	5.20	11.40	35.40
WCA00011421	PVC	Yellow	UL2517	24AWG*6C+Filler+Talcum	5.00	17.60	49.20
WCA00011422	PU	Black	UL20549	24AWG*6C+Filler+Talcum	5.00	13.00	34.00
WCA0087UV01	PVC	Black	UL2464	24AWG*7C+Drain+AL/Mylar	5.80	16.00	51.00
WCA00011342	PVC	Yellow	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011346	PU	Black	UL20549	24AWG*8C	4.80	15.50	35.00
WCA00011462-28	PVC	Black	UL2517	24AWG*8C	5.50	15.50	48.00
WCA00011698-01	PVC	Black	UL2517	24AWG*8C+AL.Mylar+Filler+Braid	5.80	27.00	60.00
WCA0003UV01	PVC	Black	UL2464	24AWG*8C+Drain+AL/Mylar	5.50	18.00	45.70
WCA00012066	PVC	Black	UL21388	24AWG*8C+Filler+AL.Mylar	5.60	15.20	43.40
WCA00011814-01	PU	Black	UL20549	24AWG*8C+Filler+AL.Mylar+Braid+Paper	5.80	26.00	51.00
WCA00012341	PU	Black	UL20549	24AWG*8C+Filler+Paper	6.70	19.00	65.00
WCA0203UV01	PVC	Black	UL2464	24AWG*8C+Talcum	5.50	16.00	45.30
WCA0528UV01	PVC	Black	UL2464	24AWG*9C+Drain+AL.Mylar	6.00	20.00	54.80
WCA0540UV01	PVC	Black	UL2464	26AWG*6C+Drain+AL.Mylar	5.00	9.80	33.70
WCA0543UV01	PVC	Black	UL2464	26AWG*10C+Drain+AL.Mylar	6.00	15.00	50.30
WCA00011400	PU	Black	UL20549	26AWG*10C+Filler	6.00	14.00	48.00
WCA00011401	PVC	Yellow	UL2517	26AWG*10C+Filler	6.00	14.00	52.00

Cable List

Item No.	Jacket	Color	UL No.	Cable Specification	Cable OD	Copper Index (kg/km)	Weight (kg/km)
WCA00011463-01	PVC	Black	UL2517	26AWG*10C+Filler	6.00	14.00	52.00
WCA00011380	PU	Black	UL20549	26AWG*12C	6.00	16.00	47.00
WCA00011402	PVC	Yellow	UL2517	26AWG*12C	6.00	17.00	54.00
WCA00011464-01	PVC	Black	UL2517	26AWG*12C	6.00	17.00	55.00
WCA00011782-01	PVC	Black	UL2517	26AWG*12C+AL.Mylar+Braid	6.40	25.00	63.00
WCA00011871	PU	Black	UL20549	26AWG*12C+AL.Mylar+Braid+Paper	6.40	28.00	60.00
WCA0544UV01	PVC	Black	UL2464	26AWG*12C+Drain+AL.Mylar	6.00	17.60	53.10
WCA0545UV01	PVC	Black	UL2464	26AWG*15C+Drain+AL.Mylar	6.50	21.50	58.70
WCA00012148	PU	Black	UL20549	26AWG*17C+Filler	7.00	23.00	63.00
WCA00012173	PVC	Yellow	UL2517	26AWG*17C+Filler	7.00	24.00	73.00
WCA00012149	PVC	Black	UL2517	26AWG*17C+Filler	7.00	24.00	68.00
WCA00012151	PVC	Black	UL2517	26AWG*17C+Filler+AL.Mylar+Braid	7.50	40.00	91.00
WCA00012150	PU	Black	UL20549	26AWG*17C+Filler+AL.Mylar+Braid+Paper	7.50	39.00	80.00
WCA00010045	PVC	Black	UL2464	26AWG*22C+Drain+AL.Mylar	7.50	29.90	78.10
WCA0546UV01	PVC	Black	UL2464	26AWG*26C+Drain+AL.Mylar	8.00	35.80	91.30
WCA0449UV01	PVC	Black	UL2464	26AWG*31C+Drain+AL.Mylar	9.00	42.30	117.40
WCA0481UV01	PVC	Black	UL2464	26AWG*3C+Drain+AL.Mylar	4.00	5.20	22.40
WCA0547UV01	PVC	Black	UL2464	26AWG*44C+Drain+AL.Mylar	10.50	59.20	157.10
WCA0487UV01	PVC	Black	UL2464	26AWG*4C+Drain+AL.Mylar	4.80	7.20	30.80
WCA0486UV01	PVC	Black	UL2464	26AWG*5C+Drain+AL.Mylar	4.80	8.50	33.00
WCA00011480-01	PU	Black	-	CAT.5E 22AWG*2P+Drain+Filler+AL.Mylar	6.20	14.00	44.00
WCA00011527-17	LSZH	Green	-	CAT.6A S/FTP 26AWG*4P+AL/Polyester+Braid	6.60	17.99	47.08
WCA00010840	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.50	17.97	47.34
WCA0373XX01	PVC	Beige	-	CAT5E FTP 24AWG*4P+Mylar+D+AL.Mylar	6.00	18.00	41.80
WCA0664UV01	PVC	Black	-	CAT5E FTP 24AWG*4P+Mylar+D+AL/Mylar	6.50	18.00	52.30
WCA0459XX01	PVC	Beige	-	CAT5E S-FTP 24AWG*4P+Mylar+AL.Mylar+D+B	6.10	30.97	55.00
WCA0663UV01	PVC	Black	-	CAT5E UTP 24AWG*4P	6.00	16.00	49.40
WCA00011688-03	PVC	Yellow	-	CL2 22AWG*2C+AL.Mylar+Drain+Braid	5.80	16.70	49.80
WCA0611XX01	PVC	Black	-	SJTW 14AWG*3C	9.50	56.70	154.50
WCA00010369	PVC	Black	-	STOOW 16AWG*4C	10.60	49.00	181.00
WCA00010899	PVC	Black	UL1277,UL1581,UL83	14AWG*3C+16AWG*1C	10.30	68.48	172.00
WCA00011252	PU	Black	UL20549	18AWG*2C+22AWG*4C+Filler+Paper	6.00	27.50	63.00
WCA00011253	PU	Black	UL20549	18AWG*2C+22AWG*6C+Filler+Paper	7.40	33.60	83.00
WCA00011254	PU	Black	UL20549	18AWG*2C+22AWG*8C+Filler+Paper	8.20	40.00	98.00
WCA00011582-43	PVC	Black	UL 21996	20AWG*2C+20AWG*3C	6.00	15.33	50.21
WCA0585UV01	PVC	Black	UL2464	24AWG*4C+20AWG*2C+Drain+AL.Mylar	6.00	22.40	57.40
WCA0042UV01	PVC	Black	UL2464	24AWG*6C+20AWG*2C+Drain+AL.Mylar	6.00	26.20	58.50
WCA0584UV01	PVC	Black	UL2464	26AWG*6C+24AWG*2C+Drain+AL.Mylar	5.50	13.70	42.80
WCA0365UV01	PVC	Black	-	28AWG*1P+24AWG*2C+AL.Mylar+Drain+Braid (USB2.0)	5.00	11.90	35.10
WCA00012165	PVC	Black	UL2725	28AWG*1P+28AWG*2C+AL.Mylar+Drain+Braid	3.80	10.00	21.00
WCA0691XX01	PVC	Black	UL2725	28AWG*1P+28AWG*3C+AL.Mylar+Drain+Braid	3.80	10.40	23.20
WCA00010259	PVC	Black	UL20276	[(18AWG*1P+AL)+(16AWG*1P+AL)]+Drain+AL+Braid	10.00	73.00	152.00
WCA00011922	PVC	Black	UL21996	(20AWG*1P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	8.50	50.61	115.27
WCA00010258	PVC	Black	-	[(22AWG+1P+AL)+(18AWG+1P+AL)]+Drain+AL.Mylar+Braid	7.00	42.00	80.00
WCA00010876	PVC	Black	UL2586	(24AWG*1P+A)*2C+16AWG*3C+EA	10.00	47.00	128.00
WCA00010257	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.00	27.00	58.00
WCA00011350	PVC	Black	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+AL.Mylar+Braid	6.70	29.70	65.80
WCA00010437	PVC	Gray	-	[(24AWG+1P+AL)+(22AWG+1P+AL)]+Drain+Braid+Mylar	7.10	14.80	69.80
WCA00010080	PVC	Black	UL2464	(24AWG*25C+Mylar)+24AWG*25C+Drain+AL.Mylar	12.00	110.00	285.00
WCA00010710	PVC	Black	UL2464	(24AWG*2P+Drain+AL)+16AWG*3C+Filler+Paper	12.00	45.70	179.10
WCA00011923	PVC	Black	UL21996	(24AWG*2P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	11.50	99.97	187.20
WCA00010635	PVC	Black	UL2464	(24AWG*4P+Drain+AL)+16AWG*3C+Filler+Paper	11.00	41.70	149.70
WCA00010264	PVC	Black	UL20276	(26AWG*1P+Drain+AL.Mylar)*4C+26AWG*1P+26AWG*5C+AL.Mylar+Braid	8.50	45.50	94.30
WCA00011530-43	PVC	Black	UL21996	(26AWG*2P+AL.Mylar)+16AWG*2C+Filler+AL.Mylar	9.30	28.54	106.26
WCA00011531-43	PVC	Black	UL21996	(26AWG*2P+Drain+AL.Mylar)+16AWG*3C+Filler+AL.Mylar	11.00	41.58	146.60
WCA00011532-43	PVC	Black	UL21996	(26AWG*4P+Drain+AL.Mylar)+12AWG*3C+Filler+AL.Mylar	13.50	101.34	269.21
WCA00012137	PVC	Black	UL2725	(28AWG*1P+DAM)*2+28AWG*1P+28AWG*2C+Filler+AL.Mylar+Drain+Braid	6.00	21.80	48.20
WCA00010095	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*4C+(1P+3C)*28AWG+AL+Braid	7.30	33.90	73.70
WCA00010097	PVC	Black	UL20276	(28AWG*1P+Drain+AL+Mylar)*7C+28AWG*1P+28AWG*3C+AL+Braid	8.50	41.40	90.90
WCA00010081	PVC	Black	UL2464	[(28AWG*28C+Mylar)+28AWG*22C+Mylar]+28AWG*28C+Drain+AL	13.00	63.70	238.40
WCA00010096	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL.Mylar+Mylar)*4+28AWG*1P+28AWG*6C]+AL.Mylar+Braid	8.50	53.50	93.10
WCA00010098	PVC	Black	UL20276	[3COAX+(28AWG*1P+Drain+AL+Mylar)*7+28AWG*1P+28AWG*6C]+AL+Braid	10.00	71.00	145.50
WCA00011960	PU	Black	UL20233	5C*2.5mm ² +Filler+Paper	10.20	116.00	191.00
WCA00011175	PU	Black	UL20549	8C*0.34mm ² +3C*1.0mm ² +Filler	8.60	54.00	116.00
WCA00011176	PU	Black	UL20549	16C*0.34mm ² +3C*1.0mm ² +Filler	9.70	79.00	161.00

Power-limited Circuit Cable

Specification

- Rated Voltage: 300V
- Temperature Range: FEP: 70 °C
PVC: 60 °C, 75 °C
- Test Voltage: 900Vac at 2 seconds
- Conductor Range: 28AWG ~ 10AWG
- Conductor Material Available: Standard Bare Copper
- Insulator Material Available: FEP/PVC
- Jacket Material: FEP/PVC
- O.D. Tolerance: > Ø17.8 mm



(UL) E489959-N CLXX XX AWG XX°C 300V

CLXX: UL13 Cable Type
 • Plenum Rated: (2P), (3P)
 • Riser Rated: (2R), (3R)
 • General Rated: (2), (3)
 • Residential Rated: (2X), (3X)

XX°C: Temperature Rating
 • FEP: (70)
 • PVC: (60), (75)

Features & Applications:

Type	Fire Resistance Level	UL Standard	CSA	Application
CL3P CL2P	Plenum Rated (Highest)	UL 910, CMP	FT6	• Ducts or plenums air handling space
CL3R CL2R	Riser Rated	UL 1666, CMR	-	• Vertical shafts in non-plenum areas • Cable runs more than one floor
CL3 CL2	General Purpose Rated	UL 1685, CMG/CM	FT4	• Power-limited circuit cable in non-plenum areas • Cable runs within one floor
CL3X CL2X	Residential Rated (Lowest)	VW-1, CMX	-	• Enclosed in non-plenum raceway or noncombustible tubing • Cable runs within one floor

Notes: UL File Number E489959; round or flat cable available

Find Our Standard Products

Part Number		WCA00011262-35	WCA00011263-35	WCA00011435-35	WCA00011282-35	WCA00011283-35	WCA00011272-35	WCA00011324-35
Cable Type		CL3P	CL3P	CL3P	CL3P	CL3P	CL3P	CL3P
Conductor	AWG	10	16	16	16	16	18	22
	No.	2	2	2	8	16	2	2
	Dia.	2.6	1.3	1.3	1.3	1.3	1.02	0.64
Insulation	Nom. Thick.	0.25mm	0.27mm	0.27mm	0.27mm	0.27mm	0.27mm	0.25mm
	Nom. Dia.	3.5±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	2.00±0.1mm	1.62±0.10mm	1.12±0.05mm
Jacket	Nom. Thick.	0.8mm	0.58mm	0.58mm	0.69mm	0.56mm	0.42mm	0.46mm
	Nom. Dia.	8.8±0.3mm	5.2±0.3mm	5.2±0.3mm	8.0±0.3mm	11.0±0.5mm	4.4±0.15mm	3.4±0.15mm
Conductor Resistance at 20 °C (Max.)		3.41Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	13.7Ω/km	21.9Ω/km	55.4Ω/km

Other cable types and customization are available upon request.

UL 21996 Multiple-Conductor Cable

Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: -40°C ~ 105°C
- Test Voltage: 2000Vac at 1 minute
- Wet Temperature Rating: 60°C (Max.)
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D 1A AWM 21996 XX AWG -40°C 105°C 300V VW-1 1A AWM I/II A/B -40°C 105°C 300V FT1 Sun Res Wet 60°C Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Single Insulated Conductor Cable

Part Number		WCA00011581-43	WCA00011580-43	WCA00011548-43	WCA00011584-43	WCA00011583-43
Conductor	AWG	20	20	20	24	24
	No.	2	3	4	5	6
	Dia.	0.942mm	0.942mm	0.942mm	0.609mm	0.609mm
Insulation	Nom. Thick	0.38mm	0.38mm	0.38mm	0.35mm	0.35mm
	Nom. Dia.	1.70±0.10mm	1.70±0.10mm	1.70±0.10mm	1.30±0.07mm	1.30±0.07mm
Shield	Style	-	-	-	-	Paper
	Overlap	-	-	-	-	25%
Conductor Resistance at 20°C (Max.)		34.6Ω/ km	34.6Ω/ km	34.6Ω/ km	93.0Ω/ km	93.0Ω/ km
Jacket	Nom. Thick	0.98mm	0.92mm	0.95mm	0.92mm	0.95mm
	Nom. Dia.	5.2±0.15mm	5.5±0.20mm	6.0±0.20mm	5.5±0.20mm	5.8±0.20mm

UL 21996 Multiple-Conductor Cable

Using Non-Integral Jacket

Multi-conductor Cable

Part Number		WCA00011532-43		WCA00011530-43		WCA00011531-43		WCA00011582-43	
Component		A	B	A	B	A	B	A	B
Conductor	AWG	12	26	16	26	16	26	20	24
	No.	3	4	2	2	2	2	2	3
	Dia.	2.365mm	0.480mm	1.490mm	0.480mm	1.490mm	0.480mm	0.942mm	0.609mm
Insulation	Nom. Thick	0.46mm	0.46mm	0.40mm	0.46mm	0.40mm	0.46mm	0.38mm	0.35mm
	Nom. Dia.	3.30±0.15mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	2.30±0.10mm	1.40±0.10mm	1.70±0.10mm	1.30±0.07mm
Shield	Style	-	Al. Mylar	-	Al. Mylar	-	Al. Mylar	-	Paper
	Overlap	-	25%	-	25%	-	25%	-	25%
Drain	AWG	-	26	-	-	-	26	-	-
	Dia.	-	0.480mm	-	-	-	0.480mm	-	-
Conductor Resistance at 20°C (Max.)		5.54Ω/ km	148.0Ω/ km	13.7Ω/ km	148.0Ω/ km	13.7Ω/ km	148.0Ω/ km	34.6Ω/ km	93.0Ω/ km
Jacket	Nom. Thick	1.65mm		1.65mm		1.65mm		0.9mm	
	Nom. Dia.	13.5±0.40mm		9.3±0.25mm		11.0±0.30mm		6.0±0.20mm	
Impedance		120±15Ω		120±15Ω		120±15Ω		-	

Customization is available upon request.

UL 21388 Jacket Cable

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D AWM 21388 XX AWG 80°C 300V VW-1 AWM I/II A/B 80°C 300V FT1 Sun Res Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Find Our Standard Products

Part Number		WCA00011201-43	WCA00011202-43	WCA00011203-43	WCA00011204-43	WCA00011205-43	WCA00011184-43
Conductor	AWG	16	16	16	16	16	20
	No.	2	3	4	5	6	2
	Dia.	1.496mm	1.496mm	1.496mm	1.496mm	1.496mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	2.10±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	6.00±0.20mm	6.50±0.20mm	6.80±0.20mm	7.60±0.20mm	8.40±0.20mm	5.50±0.20mm
Conductor Resistance at 20°C (Max.)		14.7Ω/ km	14.7Ω/ km	14.7Ω/ km	14.7Ω/ km	14.7Ω/ km	36.7Ω/ km

UL 21388 Jacket Cable

Find Our Standard Products

Part Number		WCA00011185-43	WCA00011186-43	WCA00011187-43	WCA00011188-43	WCA00011189-43	WCA00011190-43
Conductor	AWG	20	20	20	20	20	20
	No.	3	4	5	6	7	8
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	5.50±0.20mm	6.00±0.20mm	6.20±0.20mm	6.80±0.20mm	6.80±0.20mm	7.20±0.20mm
Conductor Resistance at 20°C (Max.)		36.7Ω/ km	36.7Ω/ km	36.7Ω/ km	36.7Ω/ km	36.7Ω/ km	36.7Ω/ km

Part Number		WCA00011191-43	WCA00011192-43	WCA00011193-43	WCA00011200-43	WCA00011194-43
Conductor	AWG	20	20	20	20	20
	No.	9	10	12	14	18
	Dia.	0.953mm	0.953mm	0.953mm	0.953mm	0.953mm
Insulation	Nom. Thick.	0.23mm	0.23mm	0.23mm	0.23mm	0.23mm
	Nom. Dia.	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm	1.50±0.10mm
Shield	Style	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar	Al. Mylar
	Overlap	25%	25%	25%	25%	25%
Jacket	Nom. Thick.	0.76mm	0.76mm	0.76mm	0.76mm	0.76mm
	Nom. Dia.	7.60±0.20mm	8.50±0.25mm	8.50±0.25mm	8.50±0.20mm	10.0±0.30mm
Conductor Resistance at 20°C (Max.)		36.7Ω/ km	36.7Ω/ km	36.7Ω/ km	36.7Ω/ km	36.7Ω/ km

Customization is available upon request.

UL 2464 Multiple - Conductor Cable

Using Non-Integral Jacket

Specification

- Rated Voltage: 300V
- Temperature Range: ~ 80°C
- Test Voltage: 2000Vac at 1 minute
- Conductor Range: 30AWG ~ 10AWG
- Conductor Material Available: Tinned Copper
- Insulator Material Available: FEP/PVC/PE
- Shielding Material Available: AL/Mylar: Coverage 100%, Overlap 25% (Min.) /
Braid: Tinned Copper, Overlap 65% (Min.) /
Spiral: Tinned Copper, Overlap 90% (Min.)
- Jacket Material: PVC
- O.D. Tolerance: > Ø17.8 mm
- Impedance: 100Ω ~ 120Ω ±15Ω



E489039-D  AWM 2464 XX AWG 80°C 300V VW-1,  AWM I/II A/B 80°C 300V FT1 Cable

Application

Internal wiring and external interconnection of electronic equipment. Suitable for outdoor use.

Features

- Reference standard: UL Subject 758, UL 1581 & CSA C22.2 No.210.2
- Lead free PVC jacket
- Wide temperature range
- Sunlight resistant
- Passes UL VW-1(horizontal) & CSA FT1 (vertical) flammability tests
- Round or flat cable available
- Mixture, individual or paired conductors available
- UL File Number: E489039

Question

Our most popular FAQs will help you to easily find the answers you need.



Q: What connectors can be used for power and signal distribution?

A: CERES, SENSOR, X-LOK, RBL and HS-Lok connectors. For more detailed information and guide, please refer "Product Summary Table"

Q: Can ALTW connectors be used in direct burial?

A: No, they are not designed for this type of application. They should be routed inside a conduit or other means of reinforcement if deployed underground.

Q: Can ALTW connectors be used in continuous water immersion?

A: No, there is a limitation for their immersion to water as defined on each IP rating. Only "Deepronica" series can be used in permanent immersion.

Q: Why are ALTW connectors called waterproof if they can only be immersed for a certain period? Shouldn't they be called water resistant?

A: As long as the immersion period does not surpass the conditions specified on the IP rating, they can be referred as waterproof.

Q: What is the Ingress Protection (IP) of ALTW connectors?

A: It ranges from IP65 to IP69K.

Q: Can ALTW connectors be connected/disconnected under load?

A: By default, only connectors for data (RJ45, DVI, HDMI, and USB) can be used in hot-plugging. Power connectors need to be customized to achieve this.

FAQ

Q: Do ALTW connectors comply with MIL STD?

A: No, ALTW connectors are only evaluated under EIA, IEC and UL standards.

Q: What connectors can be used in high-speed base band data transmission?

A: Ceres, X-Lok, M12 D & X-coded, RJ45, DVI, HDMI, USB and FLOS connectors.

Q: Can ALTW connectors be customized to meet certain requirements?

A: Yes, connectors can be customized to meet customer requirements. If a certification is required, it will be applied. If not, ALTW can provide in-house test reports as a confirmation that the pre-defined specifications have been met.

Q: Do ALTW connectors have ATEX certification?

A: No. ALTW connectors are not yet certified by ATEX.

Q: What is the difference between Oleophobic and Hydrophobic protective vents? What is the main function of the vent?

A: These properties refer to the fluid resistance of the membrane in the vent. Hydrophobic means that the membrane is water repelling, while Oleophobic means the membrane is oil repelling.

They are used in applications that require the balancing of internal and external pressures such as electrical cabinets, wireless access points, control hubs and junction boxes. The trapped air inside the enclosures expands or contracts relative to the heat emitted by the components it encloses and the external ambient temperatures.



If your question is not answered here, please contact Amphenol LTW Customer Service or browse for more information on our website.
www.amphenolltw.com

Scan here to contact us or e-mail us at sales@ltw-tech.com

UV Resistant

Being resistant to ultraviolet light (UV), or sunlight, means being able to withstand or resist the degradation caused by ultraviolet light.

UV light causes non-resistant materials and surfaces to fade or discolor.

Flammability

The ability of a chemical to burn or ignite, causing fire or combustion. The degree of difficulty required to cause the combustion of a chemical is quantified through fire testing.

Flammability can be classified as low (least flame-retarded) to high (most flame-retarded). From lowest to highest it is classified as follows:

- HB - horizontal slow burning: Burning rate under 76mm/min for a thickness below 3mm or the burning stops before 100mm
 - V-2: Burning stops within 30 seconds on a vertical specimen and drips of flaming particles are allowed
 - V-1: Burning stops within 30 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
 - V-0: Burning stops within 10 seconds on a vertical specimen and drips of particles are allowed as long as they are not inflamed
-

IEC

The International Electrotechnical Commission (IEC) is the world's leading organization for the preparation and publication of international standards for all electrical, electronic and related technologies. These are known collectively as “electrotechnology”.

The IEC provides a platform for companies, industries and governments to meet, discuss and develop the international standards they require. All IEC standards are consensus-based and represent the needs of the key stakeholders of every nation participating. Every member country has a vote on what is included into an IEC international standard.

UL 50e

This standard applies to enclosures for electrical equipment intended to be installed and used in non-hazardous locations. It covers additional environmental construction and performance requirements for enclosures.

UL 1863

This standard applies to Safety Communication - circuit Accessories. It covers telecommunications-circuit accessories, such as jack and plug assemblies, quick-connect terminal assemblies, telephone wall plates, telephone extension cords, cross-connect terminal-block assemblies, maintenance terminal modules, terminal enclosures, cable-splice enclosures, network-interface devices, wire-guide assemblies, and connector boxes.

UL 1977

These requirements cover single and multipole connectors intended for factory assembly to copper or copper alloy conductors or printed wiring boards for use in data, signal, control and power applications within and between electrical equipment.

UL 2237

This standard covers multi-point interconnection power cable assemblies. They may consist of power cable assemblies, male or female power cable fittings, panel-mounted power cable/conductor fittings and feeder-tap power cable fittings, referred to as the device in this standard, used with industrial machinery in accordance with the National Fire Protection Association Electrical Standard for Industrial Machinery, NFPA 79 that have system voltages up to and including 1,000 V.

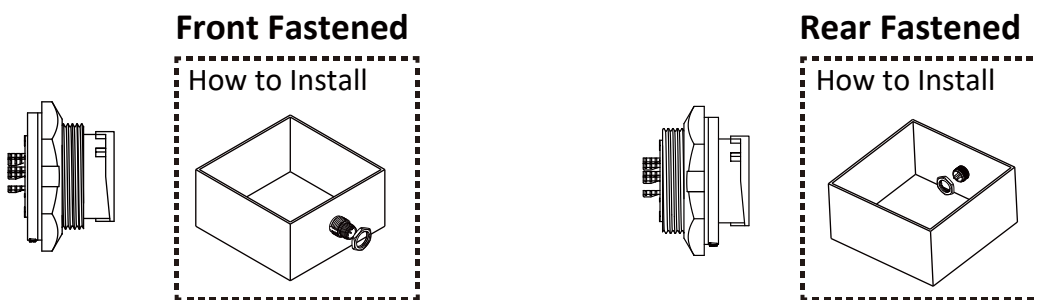
UL 2238

These requirements cover devices intended for inter-connection of equipment, sensors, and actuators in remote-control, signaling, and power-limited circuits. Included are cable assemblies and fittings, feeder-tap cable systems, feed-through connectors, multi-outlet fittings, panel-mount fittings, and splitters. These devices are rated not more than 60 A and not more than 600 V. These devices are not intended for disconnect means.

LV214

This automotive standard was developed by German car manufacturers Audi, BMW, Daimler, Porsche and Volkswagen. It addresses the ability of terminals to be effectively evaluated by crimp force monitors. The terminals must exhibit certain crimp force to be used in an automotive wire harness.

Fasten Style of Nut



Mating Style

Screw Thread

- Ceres
- RJ45
- FICX
- Power
- USB
- Cable Joiner
- M Series
- HDMI
- Cable Gland
- NMEA
- RF
- LED In.
- D-Sub
- DVI
- Vent

2 Points Lock Bayonet

- Ceres
- Power
- USB

3 Points Lock Bayonet

- Ceres
- Power
- RJ45
- Fiber

Push Pull

- M Series
- FLO & FLOS+
- HS-Lok
- USB

Push Lock With Latches

- RBL
- D-Sub
- SSL

Push Lock

- X-Lok
- USB

Termination Style



ODVA

ODVA is a global association whose members comprise of world's leading automation companies. ODVA's mission is to advance open, interoperable information and communication technologies in industrial automation. The association recognizes its media independent network protocol, the Common Industrial Protocol or "CIP" – and the network adaptations of CIP – EtherNet/IP, DeviceNet, CompoNet and ControlNet – as its core technology and the primary common interest of its membership.

ODVA's vision is to contribute to the sustainability and prosperity of the global community by transforming the model for information and communication technology in the industrial ecosystem.

NMEA 2000

NMEA 2000 is a protocol used to create a network of electronic devices – mainly marine instruments – on a boat. Various instruments that meet the NMEA 2000 standard are connected to one central cable, known as a backbone. The backbone powers each instrument and relays data among all the instruments on the network. This allows one display unit to show many different types of information and allows the instruments to work together. NMEA 2000 is meant to be "plug and play" to allow devices made by different manufacturers to talk and listen to each other.

Amphenol LTW's IPCS (Intelligent Pre-cabling Systems)

Amphenol LTW Intelligent Pre-Cabling System (IPCS) is your solution for the LED Lighting incorporation in indoor and outdoor applications. With a simplified design and wide flexibility, IPCS solves all your needs for electrical wiring and cabling infrastructure. It also provides large savings in on-site installation time and cost. The concept of IPCS is suitable for ALTW's various connector series, ideal for a large variety of customization.

Amphenol LTW's Power / Data / Hybrid Solutions

We are dedicated to developing interconnect solution to fulfill customer requirements of power or data applications, and as devices increasingly carry more functions in reduced spaces, Hybrid solutions are the answer to space limitation and multi-function. Below is the product series for Power, Data, and Hybrid applications.

0.5A ~ 2A

- Ceres
- X-Lok
- M Series
- D-Sub
- DVI
- HDMI
- USB
- HS-Lok
- FLO & FLOS+

3A ~ 5A

- Ceres
- X-Lok
- M Series
- D-Sub
- SSL
- RBL
- HS-Lok
- FLO & FLOS+
- NMEA 2000
- USB

6A ~ 10A

- Ceres
- X-Lok
- Power
- M Series
- Mini
- RBL
- FLO & FLOS+
- NMEA 2000
- USB
- FICX

11A ~ 20A

- Ceres
- X-Lok
- Power
- M Series
- FICX
- RBL
- FLO & FLOS+
- Mini
- FICX

25A ~ 30A

- Power
- FLO & FLOS+
- M Series

50A

- Power
- X-Lok

80A

- Power

Cross Section Conversion From AWG To mm²

26 AWG	0.14 mm ²	16 AWG	1.50 mm ²	4 AWG	25.00 mm ²
24 AWG	0.25 mm ²	14 AWG	2.50 mm ²	2 AWG	35.00 mm ²
22 AWG	0.34 mm ²	12 AWG	4.00 mm ²	1 AWG	50.00 mm ²
20 AWG	0.50 mm ²	10 AWG	6.00 mm ²	2/0 AWG	70.00 mm ²
18 AWG	0.75 mm ²	8 AWG	10.00 mm ²		
17 AWG	1.00 mm ²	6 AWG	16.00 mm ²		

Ingress Protection (IP) Rating Guide

Waterproof Definition

Unmated Waterproof



Standalone waterproof or waterproof is assured even without its counterpart. The water will not go through the inner portion of the exposed connector as it is entirely sealed.

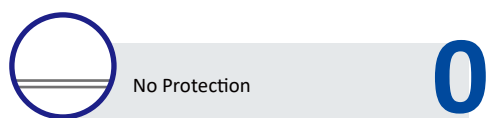
Mated Waterproof



Waterproof is only assured when mated and locked tightly to its counterpart.

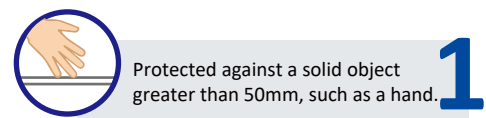
1st Digit - SOLIDS

Degree of protection against solid objects



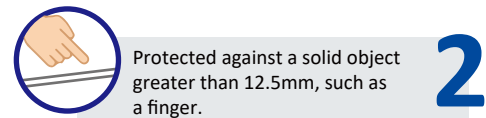
No Protection

0



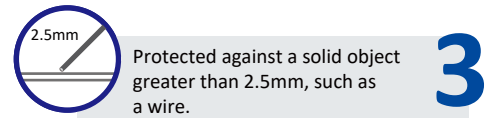
Protected against a solid object greater than 50mm, such as a hand.

1



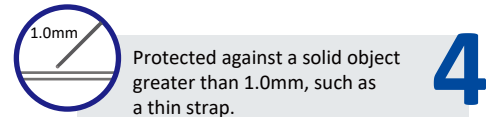
Protected against a solid object greater than 12.5mm, such as a finger.

2



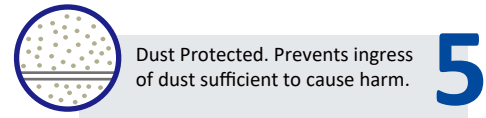
Protected against a solid object greater than 2.5mm, such as a wire.

3



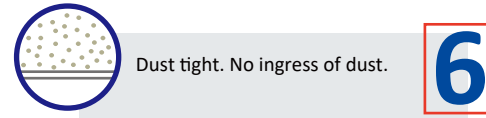
Protected against a solid object greater than 1.0mm, such as a thin strap.

4



Dust Protected. Prevents ingress of dust sufficient to cause harm.

5



Dust tight. No ingress of dust.

6

Example:



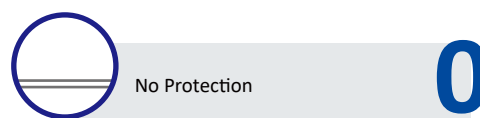
IP 65

Protected against water jets from any angle.

Dust tight. No ingress of dust.

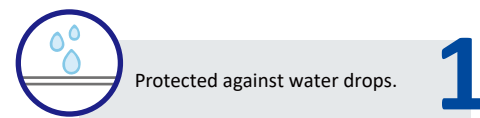
2nd Digit - LIQUIDS

Degree of protection against water



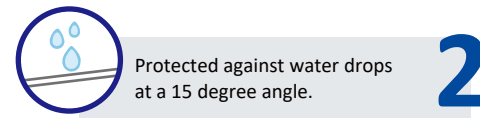
No Protection

0



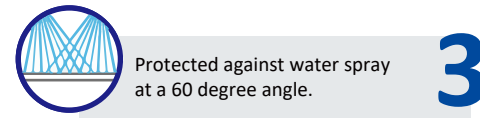
Protected against water drops.

1



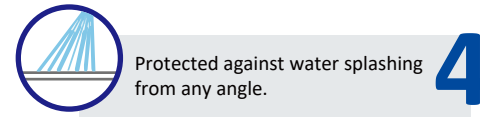
Protected against water drops at a 15 degree angle.

2



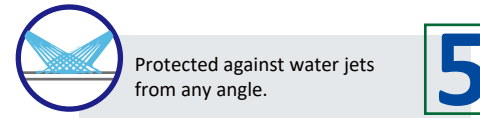
Protected against water spray at a 60 degree angle.

3



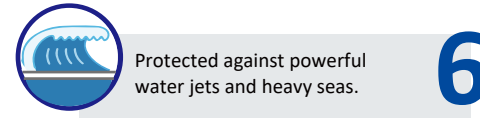
Protected against water splashing from any angle.

4



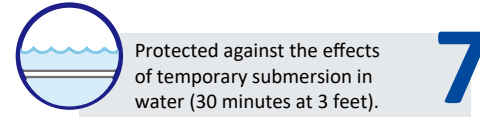
Protected against water jets from any angle.

5



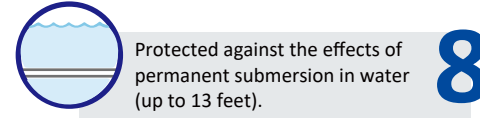
Protected against powerful water jets and heavy seas.

6



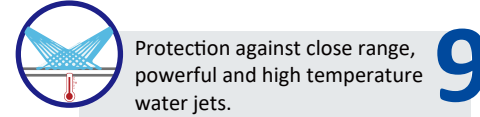
Protected against the effects of temporary submersion in water (30 minutes at 3 feet).

7



Protected against the effects of permanent submersion in water (up to 13 feet).

8



Protection against close range, powerful and high temperature water jets.

9K

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