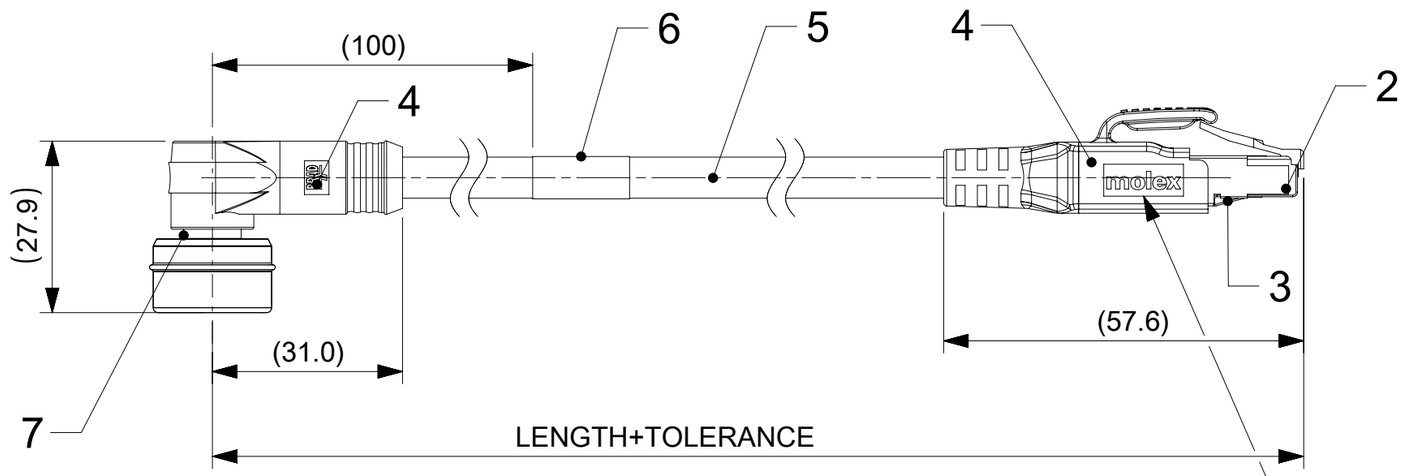
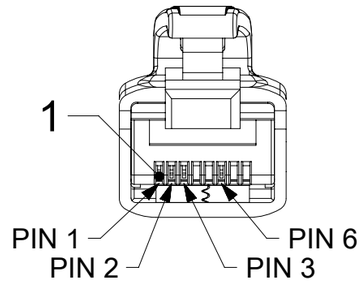
MALE PLUG U12 ANGLED 90° TO PLUG RJ45 STRAIGHT

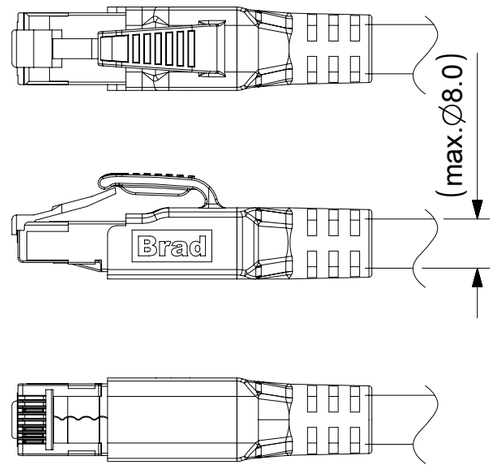
OVERMOLD VIEW FOR CABLES O.D.≤6.7mm

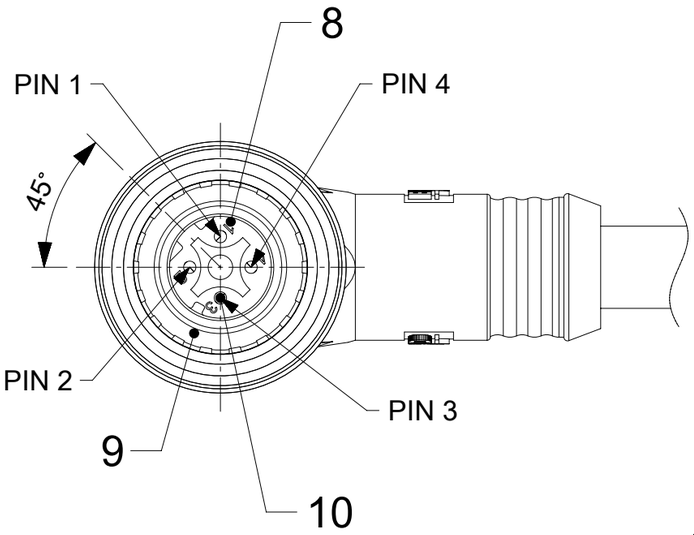


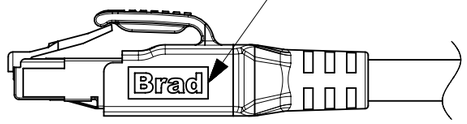


FRONT VIEW
SCALE 2:1

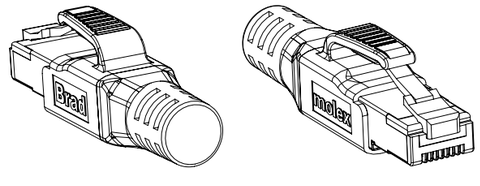
OVERMOLD VIEW FOR CABLES O.D.≥6.7mm



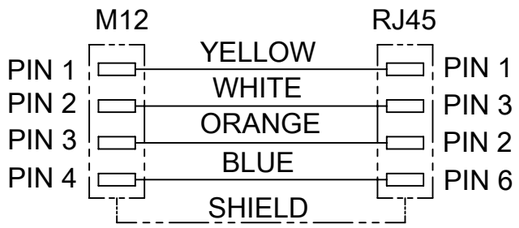




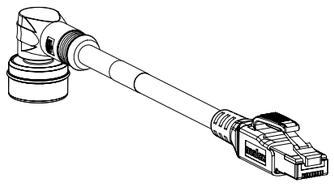
BLACK OVERMOULD
MOLEX LOGO ON ONE SIDE
BRAD LOGO ON OTHER SIDE



WIRING DIAGRAM



NOTES:
1. MATERIALS : SEE BOM TABLE
2. FINISHES: SEE BOM TABLE
3. ELECTRICAL DATA:
   MAX. VOLTAGE RATING 60 VDC
   MAX. CURRENT PER CONTACT 1.5 A
4. ENVIRONMENTAL:
   INDEX OF PROTECTION RJ45: IP20
   INDEX OF PROTECTION M12: IP67
   OPERATING TEMP : -25°C to +85°C



SCALE 1:2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
10	4	CONTACTS	BRASS	SELECTIVE GOLD
9	1	ORING GREEN	FPM	---
8	1	INSERT 4P MALE BLACK	TPU	---
7	1	SLEEVE	BRASS	NICKEL
6	1	LABEL	VINYL	---
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOULDING BLACK	TPU	---
3	1	SHIELD	BRASS	TIN
2	1	PLUG RJ45 TRANSPARENT	POLYCARBONATE	---
1	4	CONTACT RJ45 MALE	PHOSPHOR BRONZE	SELECTIVE GOLD

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FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:
EC NO: 695694
DRWN: SSM 2021/10/20
CHK'D: RSILLER 2022/02/15
APPR: RSILLER 2022/02/15
INITIAL REVISION:
DRWN: JMARSZALEK 2016/03/08
APPR: RSILLER 2021/09/20

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120108

molex

CSE U12 RJ45 4P DC MA RA PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201088224	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/15 13:53:32

FORMAT: master_Sheet-A3
REVISION: J
DATE: 2020/01/16

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

E	W	6	A	0	6	1	X	X	M	X	X	X	X

- E: E=Ethernet
- W 6: Heads: W=Ultra-Lock U12 4P D-Code; 6=RJ45
- A: Wiring type
- 0 6 1: Heads style: 061=MA U12 RA 90° / RJ45 Plug STR
- X X: Cable type: See cable table
- M: Units: M=Meter; T=10x meter
- X X X: Length Examples: 005=0.5 units; 010=1 units; 150=15 units
- X: H= 2 pcs. of I/D Carrier

CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADITIONAL INFORMATION
11	6.8mm	PROFINET TYPE C	22AWG	PUR GREEN	STYLE 20549	-40°C to +80°C / min.5xO.D.	-20°C to +70°C / min.7.5xO.D.	up to 5 Mio	-
12	6.7mm	PROFINET TYPE C	22AWG	TPU BASED GREEN	STYLE 21215	-40°C to +80°C / min.5xO.D.	-25°C to +80°C / min.15xO.D.	about 2M, min.15xO.D., -5°C to +60°C	WSOR
16	6.5mm	-	24AWG	TPU BASED TEAL	STYLE 21215	-40°C to +80°C / min.6xO.D.	-20°C to +50°C	1M, min.10xO.D. / 2M min.20xO.D. @20°C	WSOR
17	8.0mm	PROFINET TYPE B & C	22AWG	TPE GREEN	STYLE 2463	-40°C to +75°C		1M min.10xO.D. / 10M min.20x0.D. @20°C	WSOR

PART LIST

No.	MOLEX P/N	ENGINEERING NO.	CABLE LENGTH
1	1201088224	EW6A06111M020	2m
2	1201088225	EW6A06111M060	6m
3	1201088226	EW6A06111M100	10m
4	1201088227	EW6A06111M150	15m
5	1201088228	EW6A06111M200	20m
6	1201088229	EW6A06111M300	30m
7	1201088230	EW6A06111M400	40m
8	1201088231	EW6A06111M500	50m
9	1201088232	EW6A06111M900	90m
10	1201088233	EW6A06111T100	100m
11	1201088383	EW6A06111M012	1.2m
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0 m-1 m	+40 mm
>1 m-5 m	+60 mm
>5 m-10 m	+80 mm
>10 m-20 m	+140 mm
>20 m-30 m	+160 mm
>30 m	+1% length

DOCUMENT STATUS	P1	RELEASE DATE	2022/02/15 13:53:32

FORMAT: master_mod-A3
REVISION: J
DATE: 2020/01/16

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:
EC NO: 695694
DRWN: SSM 2021/10/20
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INITIAL REVISION:
DRWN: JMARSZALEK 2016/03/08
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THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 120108

molex

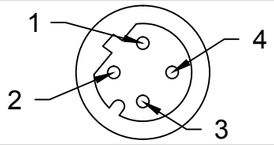
CSE U12 RJ45 4P DC MA RA PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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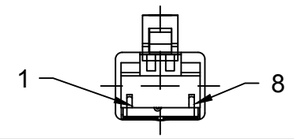
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	2 OF 2

FRONT VIEW - MALE M12

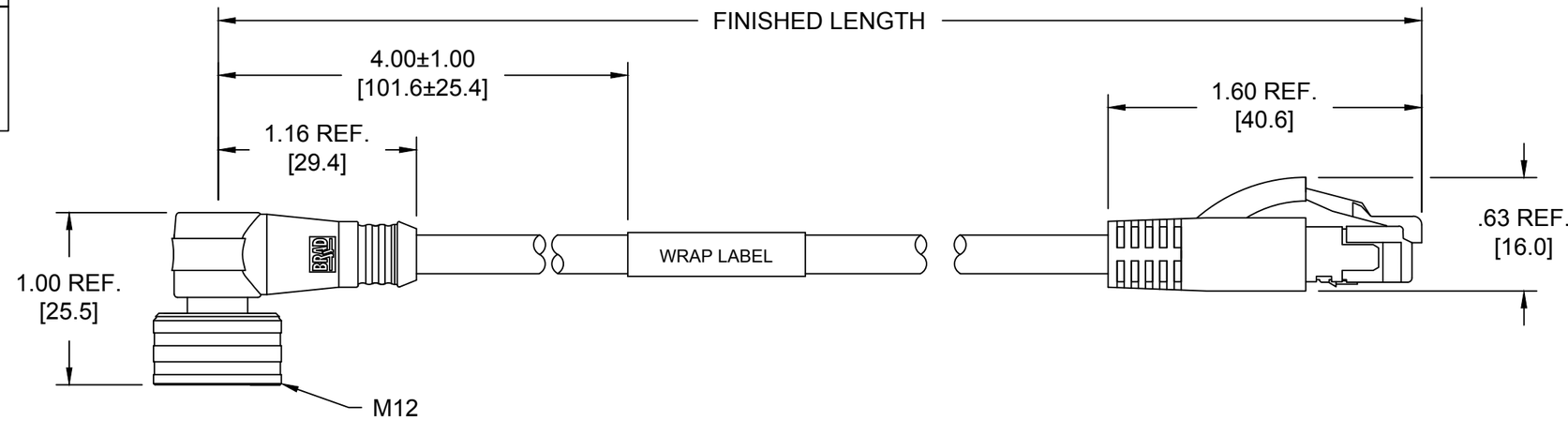


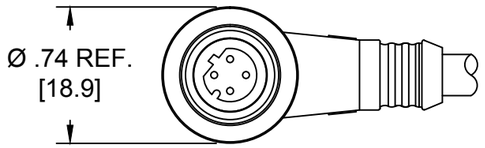
1-YELLOW
2-WHITE
3-ORANGE
4-BLUE

FRONT VIEW - MALE RJ45



1-YELLOW
2-ORANGE
3-WHITE
6-BLUE





NOTES:

MECHANICAL

RJ45
PLUG: CLEAR POLYCARBONATE
BOOT: BLACK PVC

M12 CONNECTOR
INSERT: BLACK PUR
CONTACT: GOLD/NICKEL OVER COPPER ALLOY
COUPLING NUT: NICKEL PLATED BRASS
MOLDED BODY: BLACK PUR

CABLE: 22 AWG 4 CONDUCTORS SHIELDED GREEN PUR JACKET
AGENCY LISTED: UL AND CSA
CABLE MARKING: X N X 2x2xAWG22/7-9H(ST) C11Y INDUSTRIAL ETHERNET
PROFINET TYP C E48408 cULus AWM STYLE 20236 AWM I/II A/B
80°C 30 V FT1

WRAP LABEL: MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE

ELECTRICAL
ACCORDING TO CAT5e
VOLTAGE RATING: 30V AC/DC
AMPERAGE: 1.5A

REV	DESCRIPTION
B	ADDED PART NO. TABLE EC NO: IPG2015-2010 DRWN: GGUSTAFS 2015/05/27 CH'KD: BARDEN 2015/07/23 APPR: BWOODMAN 2014/08/02

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±.005
2 PLACES	±0.13	±.010
1 PLACE	±0.25	±.020
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: BARDEN DATE: 2013/12/04
CHECKED BY: TWOLDEGE DATE: 2014/04/09
APPROVED BY: JFMURPHY DATE: 2014/08/02
MATERIAL NO.: SEE TABLE

TITLE: MICRO-CHANGE/RJ45 4P M ULOCK 90D TO RJ45 2X2X22AWG GREEN PUR

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-120108-070
SHEET NO.: 1 OF 2

SIZE: B

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MATERAIL NO.	ENGINEERING NO.
1201088383	EW6A06111M012
1201088224	EW6A06111M020
1201088225	EW6A06111M060
1201088226	EW6A06111M100
1201088227	EW6A06111M150
1201080228	EW6A06111M200
1201088229	EW6A06111M300
1201088230	EW6A06111M400
1201088231	EW6A06111M500
1201088232	EW6A06111M900
1201088233	EW6A06111T100

EW6A06111M020

CABLE TYPE
22/4AWG
PUR GREEN

CABLE LENGTH
010----1 Meter
100----10 Meters

ADDED PART NO. TABLE
EC NO: IPG2015-2010
DRWN: GGUSTAFS 2015/05/27
CHKD: BARDEN 2015/07/23
APPR: BWOODMAN2014/08/02
DESCRIPTION

B
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±.005
2 PLACES	±0.13	±.010
1 PLACE	±0.25	±.020
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: NTS
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: BARDEN DATE: 2013/12/04
CHECKED BY: TWOLDEGE DATE: 2014/04/09
APPROVED BY: JFMURPHY DATE: 2014/08/02

TITLE
MICRO-CHANGE/RJ45
4P M ULOCK 90D TO RJ45
2X2X22AWG GREEN PUR

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-120108-070
SHEET NO.: 2 OF 2

SIZE: B

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