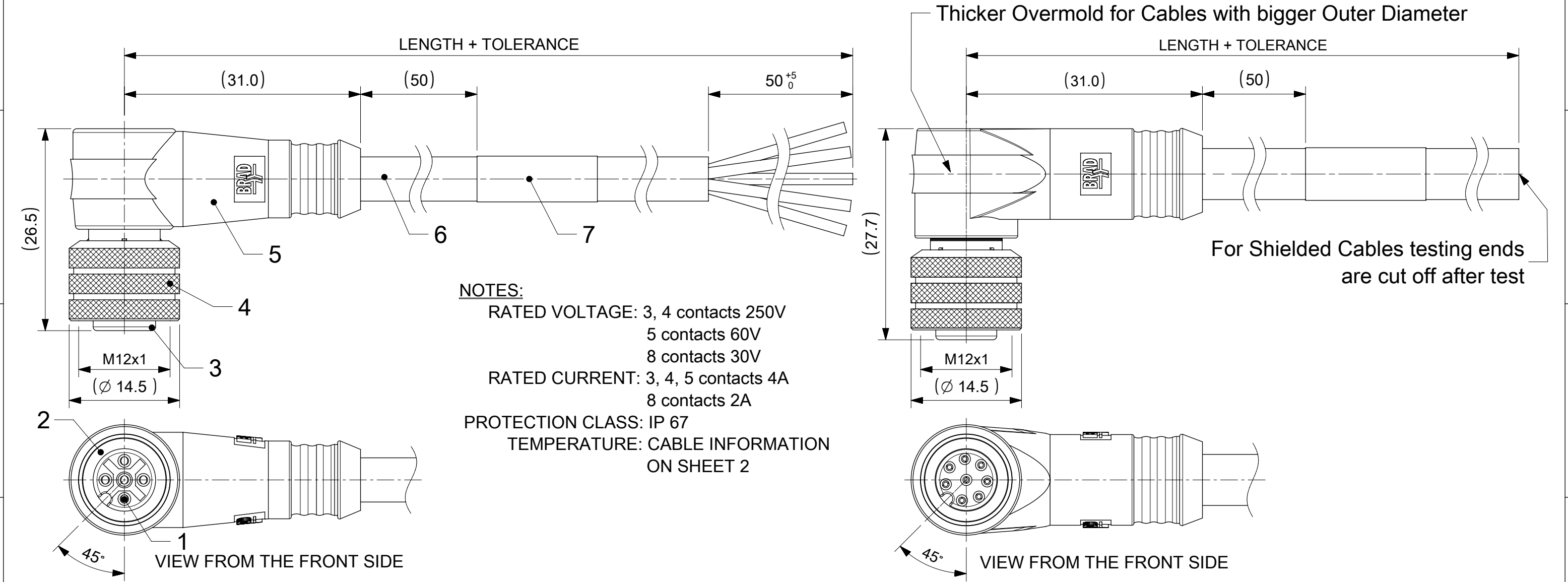


FEMALE PLUG M12 90° ANGLED



NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: CABLE INFORMATION
ON SHEET 2

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK or YELLOW/GREEN	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY or YELLOW/GREEN	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101							
DOCUMENT STATUS	P1	RELEASE DATE	2022/04/14	06:15:30			

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT M12 FEMALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS

$\sqrt{A} = 0$

$\sqrt{E} = 0$

$\sqrt{F} = 0$

DIVISIONAL SYMBOLS

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 703046

DRWN: APAWLAK01

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2022/04/12

2022/04/14

2022/04/14

2016/01/11

2016/04/08

A3-SIZE

120065

SEE PART LIST

GENERAL MARKET

1 OF 5

molex

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A11

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X001XXXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

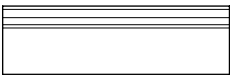
Heads style:
001=Plug Female
90° Angled

Cable type: See Table

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

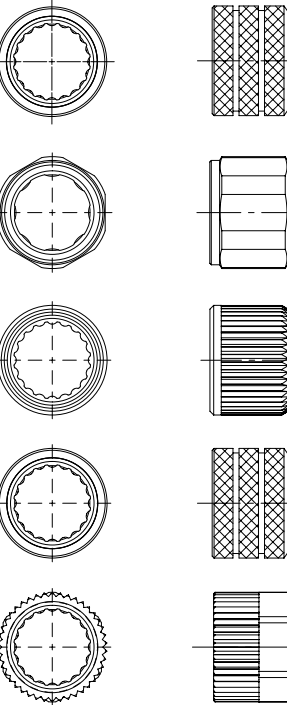
OPTIONS



H= 2 pcs. of I/D Carrier
PVC Transparent
(Cables lxx & P82 always
with 2 pcs. of I/D Carrier
even if no H in
Engineering No.)

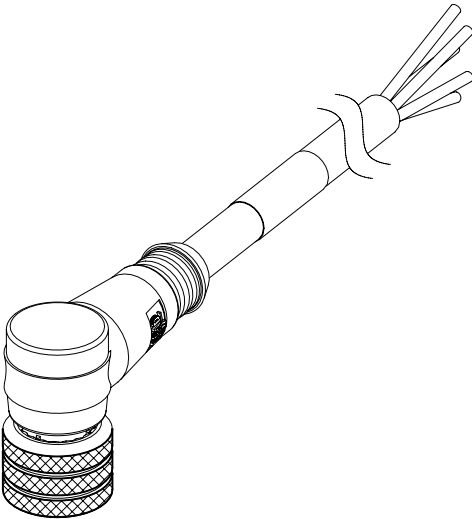
Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables A09,S19,S20,S26
Blank=Yellow TPE-E for cables K03,K05
A=Grey / G=Black / Y=Yellow
Blank=Yellow PVC for cable E13
Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

COUPLING NUTS



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

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
A09	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661	I/II A/B 90°C/300V	-	-	-	-
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H12	4	0.50mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-50°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000, Temp max 60°C	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I02	3 / 4 / 8	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I04	4	0.50mm²	PVC CEI GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	5	18 AMG	TPE YELLOW	PLTC 105C E470965	I/II A/B 90°C/300V	-	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P12	3 / 5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P19	8	0.25mm²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	2 000 000 cycles, 15xO.D.	YES
P20	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	-	-	-30°C to +80°C	-	-	YES
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
S19	8	0.25mm²	PVC YELLOW	UL 2661/1569	C22.2 II A 105°C/300V	-30°C to +105°C, 10xO.D.	-15°C to +105°C, 15xO.D.	-	YES
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
S26	5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES



SCALE 1:1

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

FUNCTIONAL SYMBOLS

A= 0

E= 0

F= 0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

± 1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

± 0.1

0 PLACES

± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



DRAWING

SERIES

A3-SIZE

120065

CURRENT REV DESC:

EC NO: 703046

DRWN: APAWLAK01

CHK'D: RSILLER

APPR: RSILLER

2022/04/12

2022/04/14

2022/04/14

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/11

2016/04/08



CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200658471

DOC TYPE

PSD

DOC PART

000

REVISION

A11

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 5

PART LIST

No.	Part No.	Engineering No.	Cable Length
141	1200658541	804001E03M070	7m
142	1200658564	803001E03M040	4m
143	1200658573	805001E03M010	1m
144	1200658574	805001E03M030	3m
145	1200658575	805001E03M040	4m
146	1200658585	808001E02M010	1m
147	1200658586	808001E02M020	2m
148	1200658587	808001E02M030	3m
149	1200658589	808001E02M100	10m
150	1200658594	803001I03M040	4m
151	1200658607	805001I03M030	3m
152	1200658608	805001I03M040	4m
153	1200658619	808001P02M010	1m
154	1200658649	808001H08M020	2m
155	1200658652	808001H08M100	10m
156	1200658664	805001H09M010	1m
157	1200658666	805001H09M030	3m
158	1200658668	804001H09M010	1m
159	1200658670	804001H09M030	3m
160	1200658683	808001I02M010	1m
161	1200658684	808001I02M020	2m
162	1200658685	808001I02M030	3m
163	1200658686	808001I02M040	4m
164	1200658687	808001I02M050	5m
165	1200658688	808001I02M100	10m
166	1200658707	804001I03M010G	1m
167	1200658708	804001I03M020G	2m
168	1200658709	804001I03M030G	3m
169	1200658710	804001I03M040G	4m
170	1200658711	804001I03M050G	5m
171	1200658712	804001I03M100G	10m
172	1200658713	803001H09M010	1m
173	1200658715	803001H09M020	2m
174	1200658718	803001H09M050	5m
175	1200658719	803001H09M100	10m

No.	Part No	Engineering No.	Cable Length
176	1200658931	808001E02M150	15m
177	1200658932	808001E02M250	25m
178	1200658933	805001P12M050	5m
179	1200658934	805001P12M100	10m
180	1200658992	804001P03M050H	5m
181	1200659032	804001E02M050	5m
182	1200659033	804001E02M100	10m
183	1200659039	804001E02M070	7m
184	1200659048	804001E02M1001	10m
185	1200659068	804001I03M050Y	5m
186	1200659069	804001P82M0507Y	5m
187	1200659078	804001I03M100Y	10m
188	1200659084	805001I26M050Y	5m
189	1200659086	804001P82M1007Y	10m
190	1200659095	804001H09M050HY	5m
191	1200659112	804001H12M050	5m
192	1200659117	805001I26M100Y	10m
193	1200659118	803001I03M050Y	5m
194	1200659120	803001I03M030Y	3m
195	1200659121	803001I03M100Y	10m
196	1200659124	804001H09M100HY	10m
197	1200659140	805001H09M200	20m
198	1200659147	805001E03M200	20m
199	1200659160	804001I03M020Y	2m
200	1200659164	804001E03M025	2.5m
201	1200659168	803001I03M025Y	2.5m
202	1200659173	803001E03M050H	5m
203	1200659181	803001E03M100H	10m
204	1200659182	804001E03M020H	2m
205	1200659235	803001E03M300	30m
206	1200659251	804001H12M010	1m
207	1200659252	804001H12M030	3m
208	1200659266	804001P03M020Y	2m
209	1200659270	804001H12M100	10m
210	1200659342	804001P03M1501	★ 15m

No.	Part No.	Engineering No.	Cable Length
211	1200659343	804001P03M2501	✱ 25m
212	1200659361	804001I03M030Y	3m
213	1200659373	803001E02M030	3m
214	1200659398	808001P02M100Y	10m
215	1200659592	805001E03M080	8m
216	1200659637	808001E02M1001	10m
217	1200659771	804001H12M1009	10m
218	1200659772	804001H12M0309	3m
219	1200659773	804001H12M0509	5m
220	1200659775	803001P03M050HY	5m
221	1200668648	804001P82M0207Y	2m
222	1200658588	808001E02M040	4m
223	1200060482	804001E03M040	4m
224	1200061540	803001E03M033	3.3m
225	1200061541	803001E03M022	2.2m
226	1200061542	803001E03M011	1.1m
227	1200063648	804001E03M2001	✱ 20m
228	1200064145	804001E03M3001	✱ 30m
229	1200064402	804001E03M005	0.5m
230	1200658884	804001E03M100H	10m
231	1200658898	804001E03M150H	15m
232	1200659352	805001E03M1001	✱ 10m
233	1200659353	805001E03M2501	✱ 25m
234	1200659502	805001E03M005	0.5m
235	1200658647	808001H08M010	1m
236	1200658648	808001H08M015	1.5m
237	1200658650	808001H08M030	3m
238	1200658651	808001H08M040	4m
239	1200658196	804001H09M200	20m
240	1200658665	805001H09M015	1.5m
241	1200658667	805001H09M040	4m
242	1200658669	804001H09M015	1.5m
243	1200658671	804001H09M040	4m
244	1200658714	803001H09M015	1.5m
245	1200658716	803001H09M030	3m

No.	Part No.	Engineering No.	Cable Length
246	1200658717	803001H09M040	4m
247	1200659675	804001H09M220	22m
248	1200658620	808001P02M030	3m
249	1200061318	803001P03M010	1m
250	1200063405	804001P03M003	0.3m
251	1200063793	804001P03M140	14m
252	1200652156	805001P03M060	6m
253	1200656575	805001P03M300	30m
254	1200658184	805001P03M040	4m
255	1200658206	804001P03M060	6m
256	1200658311	803001P03M200	20m
257	1200658312	803001P03M300	30m
258	1200658611	803001P03M040	4m
259	1200658617	805001P03M010	1m
260	1200658627	805001P03M030	3m
261	1200651639	804001K05M020	2m
262	1200651640	804001K05M030	3m
263	1200651628	804001K03M050	5m
264	1200651634	804001K03M100	10m
265	1200651720	805001K03M020	2m
266	1200651722	805001K03M050	5m
267	1200652155	805001K03M100	10m
268	1200658783	804001E03M060	6m
269	1200651556	804001A09M0408	4m
270	1200651557	804001A09M0402	4m
271	1200651558	804001A09M050	5m
272	1200651559	804001A09M0508	5m
273	1200651560	804001A09M0502	5m
274	1200651562	804001A09M060	6m
275	1200651563	804001A09M0608	6m
276	1200651564	804001A09M070	7m
277	1200651565	804001A09M080	8m
278	1200651566	804001A09M090	9m
279	1200651568	804001A09M1008	10m
280	1200651569	804001A09M120	12m

NOTES:

- Part No. with Yellow PVC overmolding

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/14	06:15:30
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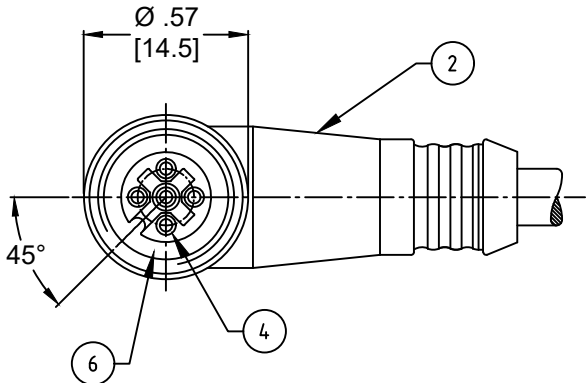
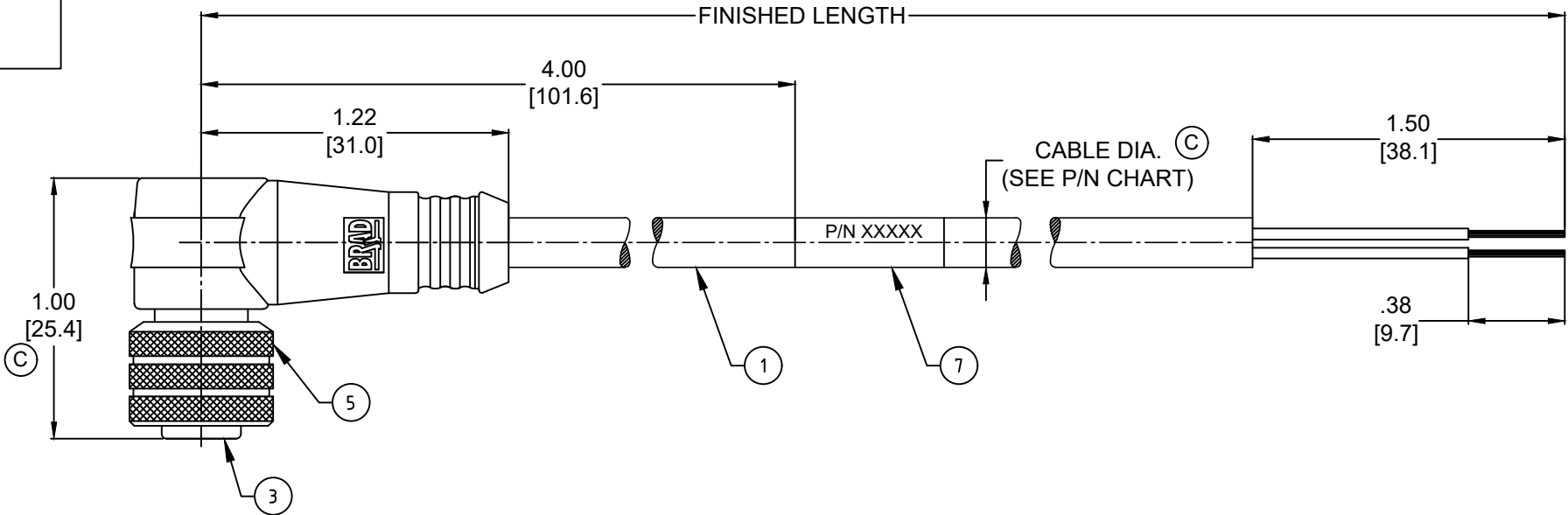
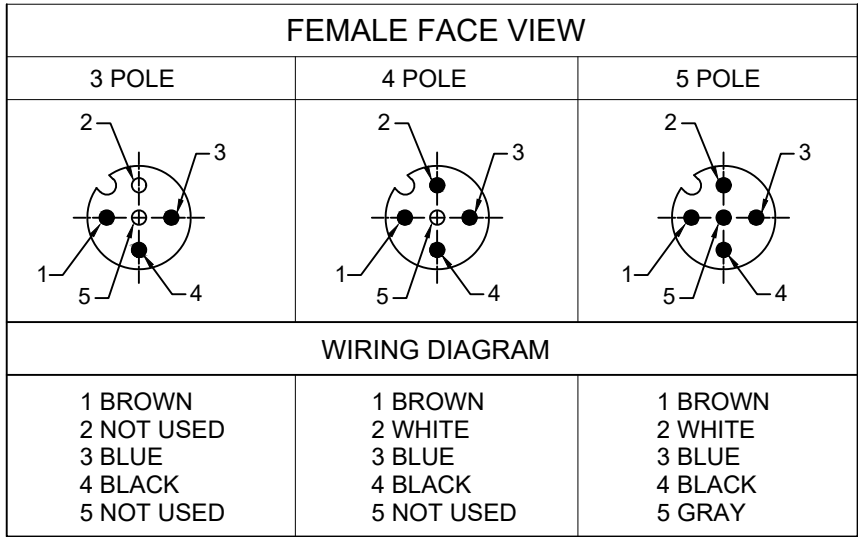
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
FUNCTIONAL SYMBOLS		DIMENSION UNITS SCALE		CURRENT REV DESC:	
$\frac{F}{A} = 0$	mm	1:1			
$\frac{F}{E} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)				
$\frac{F}{D} = 0$	ANGULAR TOL ± 1.0 °				
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 703046			
	3 PLACES ±	DRWN: APAWLAK01		2022/04/12	
	2 PLACES ± 0.05	CHK'D: RSILLER		2022/04/14	
	1 PLACE ± 0.1	APPR: RSILLER		2022/04/14	
	0 PLACES ± 0.2	INITIAL REVISION:			
		DRWN: JMARSZALEK		2016/01/11	
		APPR: RSILLER		2016/04/08	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING A3-SIZE	SERIES 120065	
CSE M12 XP AC FE RA XM SE UNSH					
PRODUCT CUSTOMER DRAWING					
DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
1200658471			PSD	000	A11
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
SEE PART LIST		GENERAL MARKET		4 OF 5	

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																								
	PART LIST																																																																																																																																																																																																																																																																																																	
F	<table> <tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr> <tr><td>281</td><td>1200651570</td><td>804001A09M1208</td><td>12m</td></tr> <tr><td>282</td><td>1200651573</td><td>804001A09M170</td><td>17m</td></tr> <tr><td>283</td><td>1200651574</td><td>804001A09M180</td><td>18m</td></tr> <tr><td>284</td><td>1200651696</td><td>805001A09M005</td><td>0.5m</td></tr> <tr><td>285</td><td>1200651697</td><td>805001A09M020</td><td>2m</td></tr> <tr><td>286</td><td>1200651698</td><td>805001A09M0208</td><td>2m</td></tr> <tr><td>287</td><td>1200651699</td><td>805001A09M0202</td><td>2m</td></tr> <tr><td>288</td><td>1200651700</td><td>805001A09M040</td><td>4m</td></tr> <tr><td>289</td><td>1200651701</td><td>805001A09M050</td><td>5m</td></tr> <tr><td>290</td><td>1200651702</td><td>805001A09M0508</td><td>5m</td></tr> <tr><td>291</td><td>1200651703</td><td>805001A09M060</td><td>6m</td></tr> <tr><td>292</td><td>1200651704</td><td>805001A09M070</td><td>7m</td></tr> 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Length	281	1200651570	804001A09M1208	12m	282	1200651573	804001A09M170	17m	283	1200651574	804001A09M180	18m	284	1200651696	805001A09M005	0.5m	285	1200651697	805001A09M020	2m	286	1200651698	805001A09M0208	2m	287	1200651699	805001A09M0202	2m	288	1200651700	805001A09M040	4m	289	1200651701	805001A09M050	5m	290	1200651702	805001A09M0508	5m	291	1200651703	805001A09M060	6m	292	1200651704	805001A09M070	7m	293	1200651705	805001A09M080	8m	294	1200651706	805001A09M100	10m	295	1200651707	805001A09M1008	10m	296	1200651708	805001A09M1002	10m	297	1200651868	805001A09M0708	7m	298	1200651949	804001A09M0602	6m	299	1200651983	805001A09M030	3m	300	1200651985	803001A09M0202	2m	301	1200652078	804001A09M0302	3m	302	1200652079	805001A09M300	30m	303	1200652111	805001A09M150	15m	304	1200652122	805001A09M0502	5m	305	1200652170	804001A09C2508	0.25m	306	1200652197	805001A09M1508	15m	307	1200652216	804001A09M0708	7m	308	1200652419	804001A09M2008	20m	309	1200652439	804001A09M0108	1m	310	1200659215	805001A09M010	1m	311	1200659216	805001A09M200	20m	312	1202010010	804001A09M250	25m	313	1200060221	803001S20M020	2m	314	1200060222	803001S20M030	3m	315	1200060224	803001S20M050	5m	<table> <tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr> <tr><td>316</td><td>1200659374</td><td>804001S20M350</td><td>35m</td></tr> <tr><td>317</td><td>1200659774</td><td>808001S19M150</td><td>15m</td></tr> <tr><td>318</td><td>1200659810</td><td>805001S26M200</td><td>20m</td></tr> <tr><td>319</td><td>1200060225</td><td>803001S20M100</td><td>10m</td></tr> <tr><td>320</td><td>1200060527</td><td>804001S20M010</td><td>1m</td></tr> <tr><td>321</td><td>1200060528</td><td>804001S20M020</td><td>2m</td></tr> <tr><td>322</td><td>1200060529</td><td>804001S20M030</td><td>3m</td></tr> <tr><td>323</td><td>1200060531</td><td>804001S20M050</td><td>5m</td></tr> <tr><td>324</td><td>1200061612</td><td>804001S20M030H</td><td>3m</td></tr> <tr><td>325</td><td>1200062121</td><td>804001S20M060</td><td>6m</td></tr> <tr><td>326</td><td>1200062148</td><td>804001I20M160</td><td>16m</td></tr> <tr><td>327</td><td>1200062160</td><td>804001S20M100H</td><td>10m</td></tr> 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Length	316	1200659374	804001S20M350	35m	317	1200659774	808001S19M150	15m	318	1200659810	805001S26M200	20m	319	1200060225	803001S20M100	10m	320	1200060527	804001S20M010	1m	321	1200060528	804001S20M020	2m	322	1200060529	804001S20M030	3m	323	1200060531	804001S20M050	5m	324	1200061612	804001S20M030H	3m	325	1200062121	804001S20M060	6m	326	1200062148	804001I20M160	16m	327	1200062160	804001S20M100H	10m	328	1200062374	804001S20M020H	2m	329	1200062502	804001S20M050H	5m	330	1200062589	804001S20M010H	1m	331	1200062919	804001P20M100	10m	332	1200062922	804001P20M050	5m	333	1200063109	804001S20M1001	10m	334	1200063165	805001P20M050	5m	335	1200064184	804001P20M250	25m	336	1200064268	808001S19M100	10m	337	1200064380	804001S20M0201	2m	338	1200064381	804001S20M0501	5m	339	1200064452	804001S20M3001	30m	340	1200064457	803001S20M0501	5m	341	1200650910	804001S20M100	10m	342	1200655008	808001P19M050	5m	343	1200658090	805001S26M100	10m	344	1200658187	804001S20M200	20m	345	1200658203	805001S26M1001	10m	346	1200658276	804001I20M100	10m	347	1200658287	803001I20M100	10m	348	1200658324	804001P20M030	3m	349	1200658328	808001P19M100	10m	350	1200658510	804001S20M2001	20m
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287	1200651699	805001A09M0202	2m																																																																																																																																																																																																																																																																																															
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No.	Part No.	Engineering No.	Cable Length
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317	1200659774	808001S19M150	15m
318	1200659810	805001S26M200	20m
319	1200060225	803001S20M100	10m
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321	1200060528	804001S20M020	2m
322	1200060529	804001S20M030	3m
323	1200060531	804001S20M050	5m
324	1200061612	804001S20M030H	3m
325	1200062121	804001S20M060	6m
326	1200062148	804001I20M160	16m
327	1200062160	804001S20M100H	10m
328	1200062374	804001S20M020H	2m
329	1200062502	804001S20M050H	5m
330	1200062589	804001S20M010H	1m
331	1200062919	804001P20M100	10m
332	1200062922	804001P20M050	5m
333	1200063109	804001S20M1001	10m
334	1200063165	805001P20M050	5m
335	1200064184	804001P20M250	25m
336	1200064268	808001S19M100	10m
337	1200064380	804001S20M0201	2m
338	1200064381	804001S20M0501	5m
339	1200064452	804001S20M3001	30m
340	1200064457	803001S20M0501	5m
341	1200650910	804001S20M100	10m
342	1200655008	808001P19M050	5m
343	1200658090	805001S26M100	10m
344	1200658187	804001S20M200	20m
345	1200658203	805001S26M1001	10m
346	1200658276	804001I20M100	10m
347	1200658287	803001I20M100	10m
348	1200658324	804001P20M030	3m
349	1200658328	808001P19M100	10m
350	1200658510	804001S20M2001	20m

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
$\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{D} = 0$		DIMENSION UNITS SCALE mm 1:1		CURRENT REV DESC:		molex	
DIVISIONAL SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 703046		CSE M12 XP AC FE RA XM SE UNSH	
		ANGULAR TOL ± 1.0 °		DRWN: APAWLAK01 2022/04/12			
		4 PLACES ±		CHK'D: RSILLER 2022/04/14			
		3 PLACES ±		APPR: RSILLER 2022/04/14			
		2 PLACES ± 0.05		INITIAL REVISION:		PRODUCT CUSTOMER DRAWING	
		1 PLACE ± 0.1		DRWN: JMARSZALEK 2016/01/11		DOCUMENT NUMBER	
		0 PLACES ± 0.2		APPR: RSILLER 2016/04/08		DOC TYPE	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DOC PART	
				DRAWING		REVISION	
				SERIES		1200658471	
		A3-SIZE		120065		PSD	
						000	
						A11	
						MATERIAL NUMBER	
						CUSTOMER	
						SEE PART LIST	
						GENERAL MARKET	
						SHEET NUMBER	
						5 OF 5	

FORMAT: master.tb.prod-A3
REVISION: J 10



- NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
- VOLTAGE: 250VAC/VDC
- CURRENT: 4A
4. TEMP RATING: -20°TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL RECOGNIZED FILE: E152210
- CSA CERTIFIED FILE: LR6837
8. ALL DIMENSIONS ARE FOR REFERENCE
- UNLESS TOLERANCED OR NOTED OTHERWISE

7	LABEL	VINYL	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	PUR	YELLOW
1	#22/3-5 CABLE	PVC JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS P1 RELEASE DATE 2021/07/14 21:16:09

PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200651443	803001A09M010	1M [3FT 3 IN]	3	.20 [5.1]
1200651567	804001A09M100	10M [32FT 9 IN]	4	.21 [5.4]
1200659216	805001A09M200	20M [65FT 7 IN]	5	.22 [5.6]

PART NO. MATRIX

803001A09M010

POLES
(3, 4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE LENGTH TOLERANCES

<.3M [1FT]: +19mm-0 [+.75in-0]

.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]

.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]

1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]

7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]

14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]

OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS F A =0 F E =0 F P =0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ITEM #3 WAS NYLON & #7 WAS MYLAR. ADDED "CSA", CABLE DIA & TOL CHART. MODIFIED PN CHART & FACE VIEWS			molex							
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
		mm	INCH	EC NO: 6698893			MICRO-CHANGE CORDSET, M12, 3-5 POLE, FEMALE 90DEG, SINGLE KEY, #22 AWG YELLOW PVC								
	4 PLACES	±----	±----	DRWN: ABENJAMINLW 2021/03/18											
	3 PLACES	±----	±----	CHK'D: RSTONE 2021/07/12											
	2 PLACES	±----	±----	APPR: BWOODMAN 2021/07/14											
	1 PLACE			±----	±----	INITIAL REVISION:			PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-120065-027 DOC TYPE DOC PART REVISION PSD 001 C						
	0 PLACES			±----	±----	DRWN: LSTEMMLE 2010/01/13									
ANGULAR TOL ± ---- °			APPR: NSTAUDIG 2010/01/25												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE CHART		GENERAL MARKET		1 OF 1	