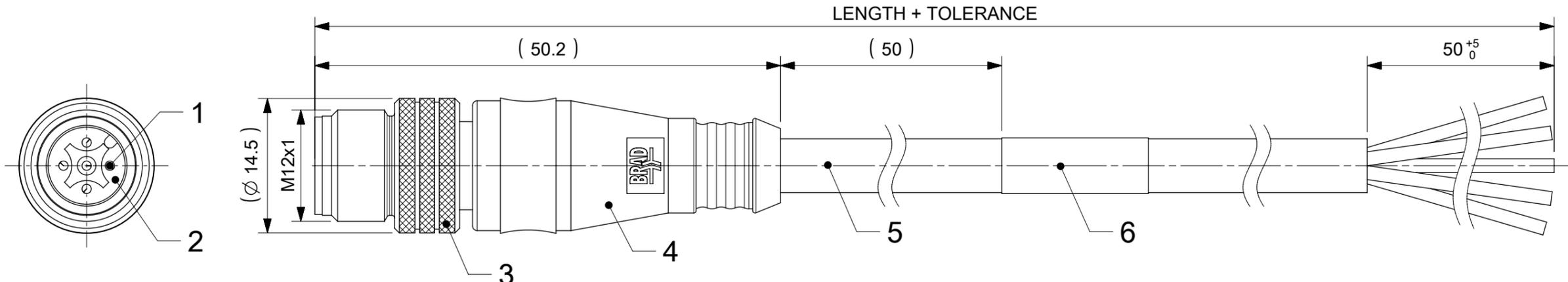
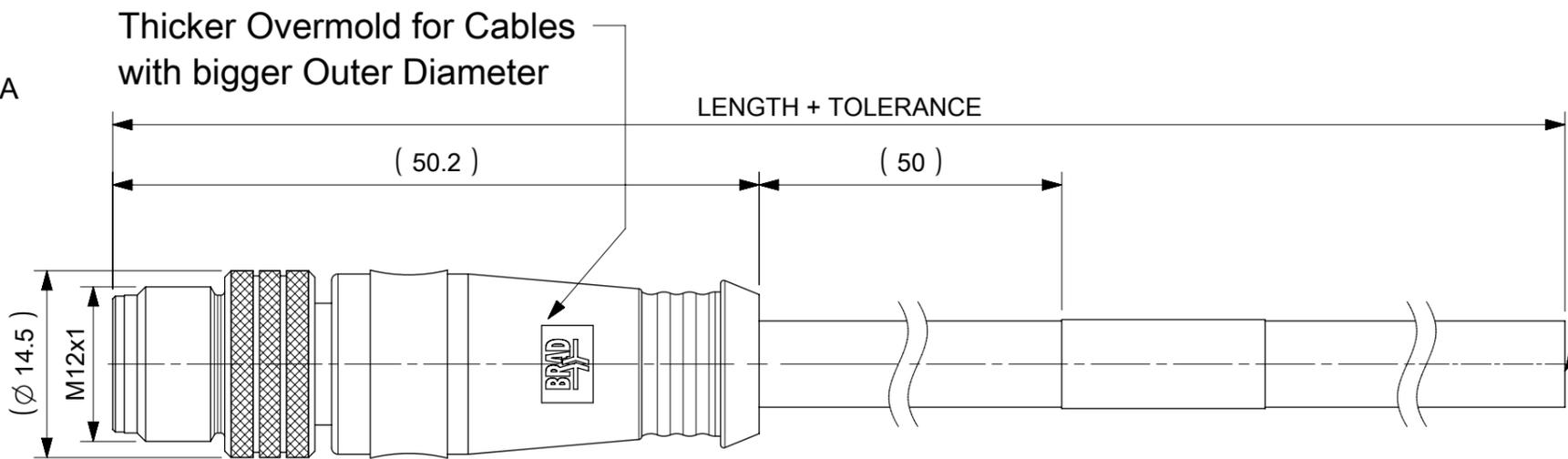
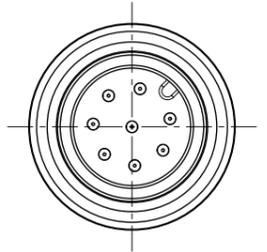


MALE PLUG M12 STRAIGHT



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: -25°C / +85°C



For Shielded Cables testing ends are cut off after test

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	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GRAY OR YELLOW/GREEN	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

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

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molex

CSE M12 XP AC MA STR XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200650971 | DOC TYPE: PSD | DOC PART: 000 | REVISION: A7

EC NO: 662770 | DRWN: JMARSZALEK | 2016/01/13 | 2021/02/19 | 2021/06/02

CHK'D: GGA | APPR: RSILLER | 2016/04/08

INITIAL REVISION: DRWN: JMARSZALEK | APPR: RSILLER

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE | SERIES: 120065 | MATERIAL NUMBER: SEE SHEET 3 | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 3

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

OPTIONS



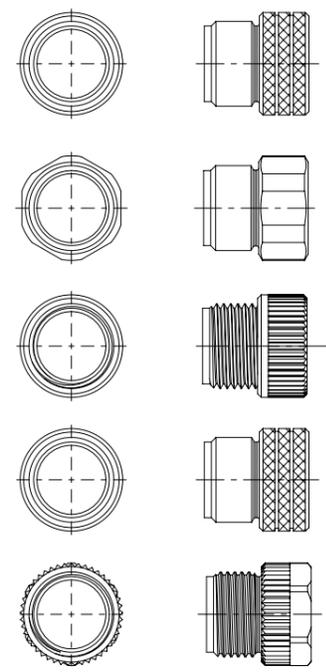
H= 2 pcs. of I/D Carrier
PVC Transparent
(Cables Ixx & P82 always with 2 pcs. of I/D Carrier even if no H in Engineering No.)

8 0 X 0 0 6 X X X X X X X X

80=M12x1 Single ended
Contacts: 3=3 Contacts, 4=4 Contacts, 5=5 Contacts, 8=8 Contacts
Heads style: 006=Plug Male Straight
Cable type: See Table
Units: M=Meter, C=Centimeter
Length Examples: 005=0.5 unit, 010=1 unit, 100=10 units

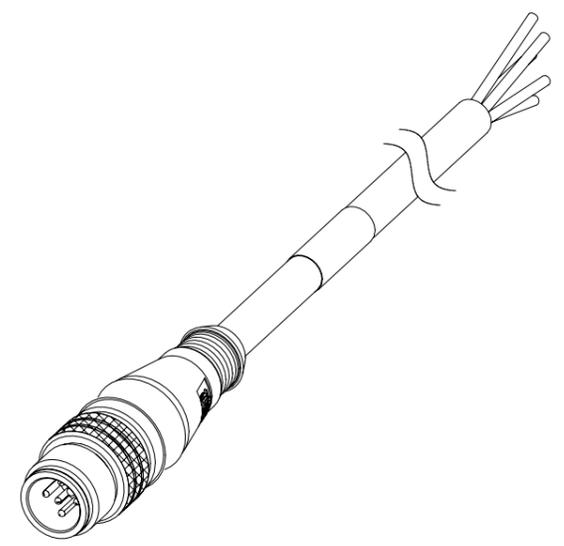
Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables A09,S19,S20,S26
Blank=Yellow TPE-E for cables K03,K05
A=Grey / G=Black / Y=Yellow
Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Delrin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 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
E52	3 / 4 / 8	0.34mm ²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I02	3 / 4 / 8	0.25mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I03	3 / 4 / 5	0.34mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm ²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	4 / 5	0.34mm ²	TPE YELLOW	UL JEC 60332-1 or PLCT	I/II 90°C/300V	-	-	-	-
K05	3 / 4 / 5	0.34mm ²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P04	4	0.50mm ²	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-	-
P12	3 / 5	0.50mm ²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P20	3 / 4 / 5	0.34mm ²	PUR BLACK LS0H	-	-	-30°C to +80°C	-	-	YES
P82	3 / 4 / 5	0.34mm ²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
S19	8	0.25mm ²	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	0.34mm ²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
S26	5	0.34mm ²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES



SCALE 1:1

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

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884	molex		
mm	1:1				
GENERAL TOLERANCES (UNLESS SPECIFIED)			CSE M12 XP AC MA STR XM SE UNSH		
ANGULAR TOL	± 1.0°	EC NO: 662770	PRODUCT CUSTOMER DRAWING		
4 PLACES	±	DRWN: SUGEEB	2021/02/19		
3 PLACES	±	CHK'D: GGA	2021/06/02		
2 PLACES	± 0.05	APPR: GGA	2021/06/02		
1 PLACE	± 0.1	INITIAL REVISION:		DOCUMENT NUMBER	
0 PLACES	± 0.2	DRWN: JMARSZALEK	2016/01/13	1200650971	PSD 000 A7
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
			A3-SIZE	120065	SEE SHEET 3
					CUSTOMER
					GENERAL MARKET
					SHEET NUMBER
					2 OF 3

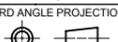
PART LIST

No.	Part No.	Engineering No.	Cable Length
1	1200060243	803006E52M050A	5m
2	1200060252	803006I03M020	2m
3	1200060253	803006I03M030	3m
4	1200060254	803006I03M050	5m
5	1200060565	804006I03M020	2m
6	1200060567	804006I03M050	5m
7	1200060568	804006I03M100	10m
8	1200060573	804006P82M0107	1m
9	1200060574	804006P82M020	2m
10	1200060576	804006P82M0507	5m
11	1200060578	804006S20M010	1m
12	1200060579	804006S20M020	2m
13	1200060581	804006S20M100	10m
14	1200060674	805006I03M005	0.5m
15	1200060675	805006I03M020	2m
16	1200060684	805006S26M020	2m
17	1200061023	804006I20M003	0.3m
18	1200061551	803006S20M050	5m
19	1200061663	804006E52M100A	10m
20	1200061664	804006E52M200A	20m
21	1200061781	805006I26M050	5m
22	1200062465	804006P82M0207	2m
23	1200062540	805006P12M010	1m
24	1200062541	805006P12M015	1.5m
25	1200062606	803006S20M100	10m
26	1200062618	805006P12M0035	0.3m
27	1200062770	805006P12M030	3m
28	1200063282	805006P20M010	1m
29	1200064014	803006P82M0067	0.6m
30	1200064375	803006P82M0107	1m
31	1200064444	805006I03C150	0.15m
32	1200650971	808006S19M010	1m
33	1200651133	804006K05M100	10m
34	1200651788	804006E52M005A	0.5m
35	1200651790	804006E52M050A	5m

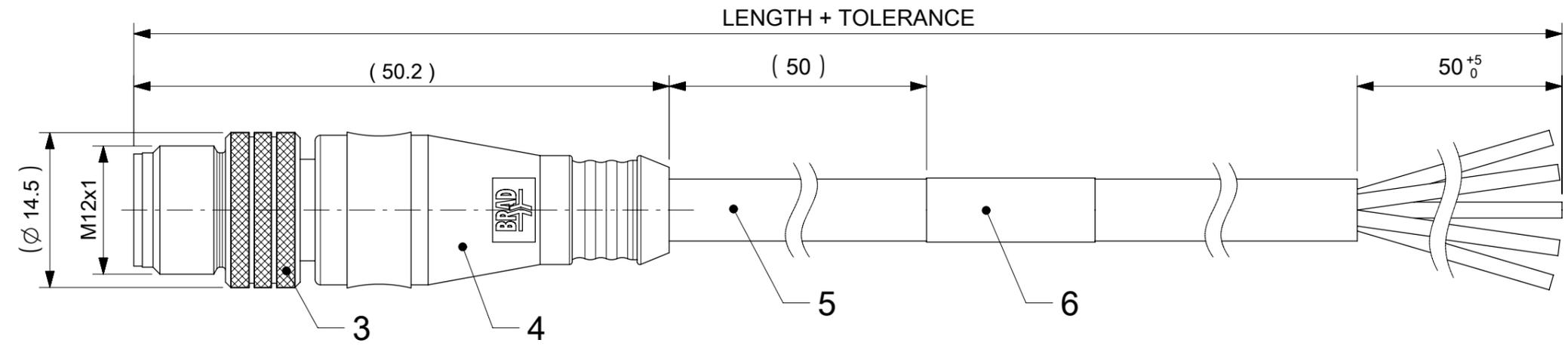
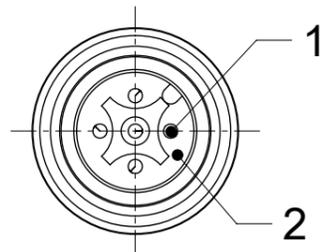
No.	Part No.	Engineering No.	Cable Length
36	1200658029	804006P82M0057	0.5m
37	1200658170	805006S26M050	5m
38	1200658201	804006S20M050	5m
39	1200658325	804006I03M010	1m
40	1200658497	804006P20M150	15m
41	1200658595	803006I03M040	4m
42	1200658601	804006I03M040	4m
43	1200658961	804006S20M0201	2m
44	1200658962	804006S20M1001	10m
45	1200658965	804006S20M0501	5m
46	1200658973	805006S20M050	5m
47	1200659089	804006P82M0207Y	2m
48	1200659122	804006I03M050Y	5m
49	1200659174	805006S26M050H	5m
50	1200659347	804006S20M350	35m
51	1200659364	804006S20M010H	1m
52	1200699506	808006S19M020	2m
53	1200699507	808006S19M030	3m
54	1200699508	808006S19M050	5m
55	1200699509	808006S19M100	10m
56	1200064547	804006K03M100	10m
57	1200652151	805006K03M050	5m
58	1200651129	804006K05M020	2m
59	1200651131	804006K05M050	5m
60	1200651374	805006K03M020	2m
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			

No.	Part No.	Engineering No.	Cable Length
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
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100			
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102			
103			
104			
105			

Pos.	Part No.	Engineering No.	Cable Length
106			
107			
108			
109			
110			
111			
112			
113			
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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: OBSOLETE PART NUMBERS AS PER PCN#506884							
mm	1:1	 CSE M12 XP AC MA STR XM SE UNSH							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL	± 1.0 °	PRODUCT CUSTOMER DRAWING							
4 PLACES	±	EC NO: 662770	2021/02/19						
3 PLACES	±	DRWN: SUGEEB	2021/06/02						
2 PLACES	± 0.05	CHK'D: GGA	2021/06/02						
1 PLACE	± 0.1	APPR: GGA	2021/06/02						
0 PLACES	± 0.2	INITIAL REVISION:		DOCUMENT NUMBER					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: JMARSZALEK	2016/01/13		1200650971		PSD	000	A7
THIRD ANGLE PROJECTION		APPR: RSILLER	2016/04/08		SERIES		SHEET NUMBER		
		DRAWING	A3-SIZE		MATERIAL NUMBER		CUSTOMER		
				120065		SEE PART LIST		GENERAL MARKET	
								3 OF 3	

MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V

5 contacts 60V

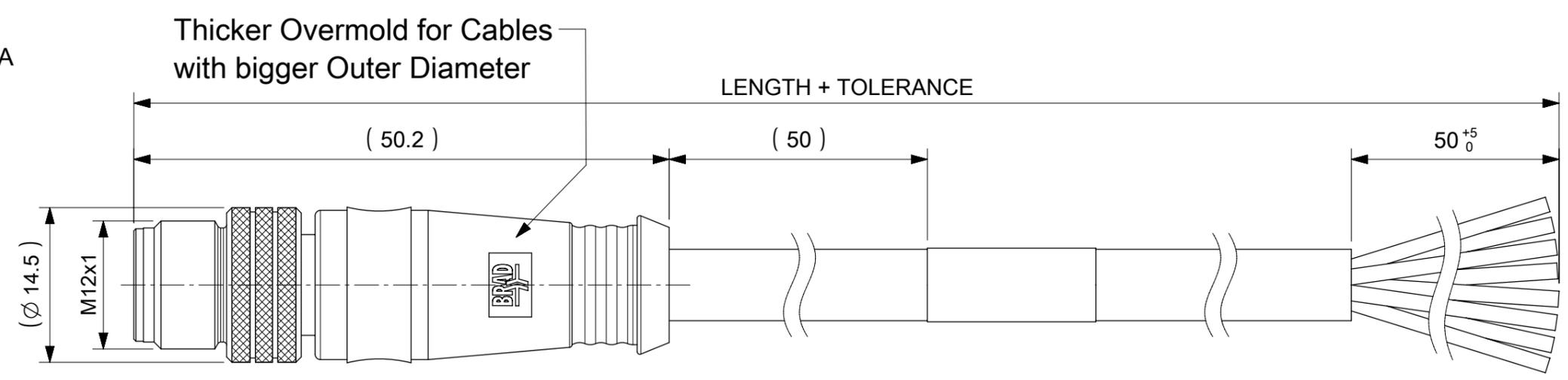
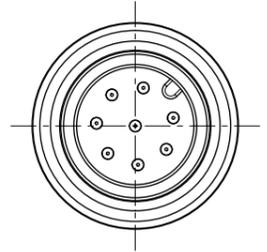
8 contacts 30V

RATED CURRENT: 3, 4, 5 contacts 4A

8 contacts 2A

PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +85°C



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	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	6	5	4	3	2	1
SEE MATRIX	1	-	-	1	1	3 / 4 / 5 / 8
D CARRIER	LABEL YELLOW	CABLE	OVERMOLDING BLACK	COUPLING NUT MALE	INSERT MALE BLACK	CONTACT M12 MALE
PVC	VINYL	SEE SHEET 2	TPU	BRASS	PUR	BRASS
TRANSPARENT	---	---	---	NICKEL	---	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH		

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FUNCTIONAL SYMBOLS: $\nabla_A = 0$, $\nabla_E = 0$, $\nabla_V = 0$

DIMENSION UNITS: mm | SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

DIVISIONAL SYMBOLS: 4 PLACES ±, 3 PLACES ±, 2 PLACES ± 0.05, 1 PLACE ± 0.3, 0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE | SERIES: 120065 | MATERIAL NUMBER: SEE TABLE | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 4

EC NO: 695290 | DRWN: JMARZALEK | APPR: RSILLER | 2016/01/12 | 2016/04/08

CHK'D: RSILLER | APPR: RSILLER | 2022/02/11 | 2022/02/11

INITIAL REVISION:

DOCUMENT NUMBER: 1200659185 | DOC TYPE: PSD | DOC PART: 000 | REVISION: A9

PRODUCT CUSTOMER DRAWING

CSE M12 XP AC MA STR XM SE UNSH

molex

CURRENT REV DESC: ADDED NEW PNS

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

8 0 X 0 0 6 X X X X X X X X

OPTIONS

80=M12x1 Single ended

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

Heads style:
006=Plug Male Straight

Cable type: See Table

Units:
M=Meter

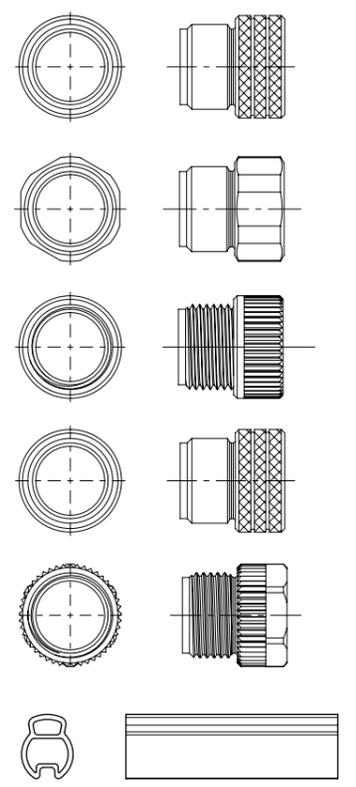
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow
For Cable A09=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1 or 8=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

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS

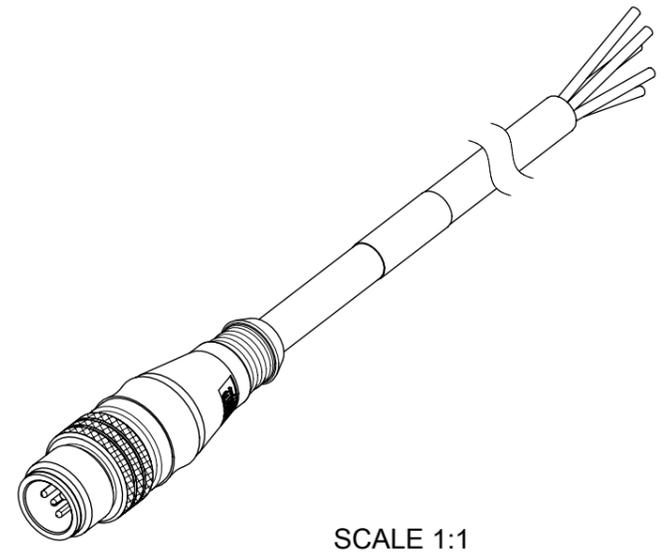


CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm ²	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	0.34mm ²	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.	-	-
H08	3 / 4 / 5 / 8	0.25mm ²	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	0.34mm ²	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	-
P02	3 / 4 / 5 / 8	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
A09	3	0.34mm ²	PVC YELLOW	-	-	-	-	-	-
K03	5	0.82mm ²	TPE YELLOW	-	-	-	-	-	-
K05	4	0.38mm ²	TPE YELLOW	-	-	-	-	-	-

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



SCALE 1:1

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FUNCTIONAL SYMBOLS: $\nabla_A = 0$, $\nabla_E = 0$, $\nabla_V = 0$

DIMENSION UNITS: mm

SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ±, 3 PLACES ±, 2 PLACES ± 0.05, 1 PLACE ± 0.3, 0 PLACES ± 0.5

ANGULAR TOL: ± 1.0°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120065

MATERIAL NUMBER: SEE TABLE

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 2 OF 4

EC NO: 695290

DRWN: MDHARMANTI

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2021/12/02

2022/02/11

2022/02/11

2016/01/12

2016/04/08

DOCUMENT NUMBER: 1200659185

DOC TYPE: PSD

DOC PART: 000

REVISION: A9

molex

CSE M12 XP AC MA STR XM SE UNSH

PRODUCT CUSTOMER DRAWING

PART LIST

No.	Part No.	Engineering No.	Cable Length
1	1200060046	804006E03M120	12m
2	1200060047	804006P03M050	5m
3	1200060240	803006E03M020	2m
4	1200060241	803006E03M050	5m
5	1200060242	803006E03M100	10m
6	1200060256	803006P03M002	0.2m
7	1200060257	803006P03M020	2m
8	1200060260	803006P03M030	3m
9	1200060261	803006P03M050	5m
10	1200060558	804006E03M006	0.6m
11	1200060559	804006E03M010	1m
12	1200060560	804006E03M020	2m
13	1200060561	804006E03M030	3m
14	1200060562	804006E03M050	5m
15	1200060563	804006E03M100	10m
16	1200060570	804006P03M020	2m
17	1200060571	804006P03M030	3m
18	1200060572	804006P03M100	10m
19	1200060667	805006E03M020	2m
20	1200060668	805006E03M030	3m
21	1200060680	805006P03M020	2m
22	1200060682	805006P03M050	5m
23	1200061345	805006E03M050	5m
24	1200061611	803006E03M150	15m
25	1200061633	804006P03M010	1m
26	1200061853	803006P03M010	1m
27	1200061855	804006P03M006	0.6m
28	1200062017	803006E03M030	3m
29	1200062082	805006P03M060	6m
30	1200062122	804006E03M0201 *	2m
31	1200062209	805006E03M100	10m
32	1200062351	803006E03M0505	5m
33	1200062352	803006E03M1005	10m
34	1200062426	804006E03M200	20m
35	1200062560	808006P02M005	0.5m

No.	Part No.	Engineering No.	Cable Length
36	1200062596	805006E03M003	0.3m
37	1200062631	805006P03M120	12m
38	1200062799	805006E03M010	1m
39	1200062830	804006E03M0205	2m
40	1200062877	804006E03M0505	5m
41	1200062920	804006E03M1005	10m
42	1200063018	803006P03M0303	3m
43	1200063077	804006E02M005	0.5m
44	1200063470	804006E03M010H	1m
45	1200063472	804006P03M200	20m
46	1200063731	805006P03M0065	0.6m
47	1200063732	804006E03M0501	5m
48	1200063733	804006E03M1001 *	10m
49	1200063856	804006E03M1501 *	15m
50	1200063941	804006P03M0401	4m
51	1200063953	805006E03M035	3.5m
52	1200063969	804006E03M2001 **	20m
53	1200064160	803006P03M005	0.5m
54	1200064231	804006E03M2501 *	25m
55	1200064240	804006P03M070	7m
56	1200064251	804006E03M003	0.3m
57	1200064252	804006E03M005	0.5m
58	1200064261	804006P03M011	1.1m
59	1200064347	804006P03M007	0.7m
60	1200064353	803006E03M003	0.3m
61	1200064393	804006P03M020G	2m
62	1200064464	803006P03M005G	0.5m
63	1200065002	805006P03M0201	2m
64	1200650964	808006P02M020	2m
65	1200650967	808006P02M040	4m
66	1200650968	808006P02M050	5m
67	1200650969	808006P02M100	10m
68	1200650970	808006P02M200	20m
69	1200651763	808006P02M030	3m
70	1200652141	804006P03M040	4m

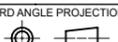
No.	Part No.	Engineering No.	Cable Length
71	1200652157	805006P03M040	4m
72	1200652158	805006P03M100	10m
73	1200655011	805006P03M005	0.5m
74	1200655051	805006E03M006	0.6m
75	1200658016	808006P02M060	6m
76	1200658055	803006P03M003	0.3m
77	1200658057	803006P03M035	3.5m
78	1200658076	804006P03M0505	5m
79	1200658092	805006P03M010	1m
80	1200658109	808006P02M003	0.3m
81	1200658110	808006P02M150	15m
82	1200658181	808006P02M010	1m
83	1200658209	805006E03M0061 *	0.6m
84	1200658217	805006P03M090	9m
85	1200658223	808006E02M003	0.3m
86	1200658226	808006E02M0038	0.3m
87	1200658247	803006H09M100	10m
88	1200658248	803006H09M050	5m
89	1200658263	808006H08M100	10m
90	1200658463	804006P03M150	15m
91	1200658478	808006E02M040	4m
92	1200658500	805006E03M1001	10m
93	1200658518	804006E03M0201H	2m
94	1200658519	804006E03M0501H	5m
95	1200658526	803006E03M005	0.5m
96	1200658542	804006E03M070	7m
97	1200658546	808006E02M050	5m
98	1200658552	808006E02M0031	0.3m
99	1200658565	803006E03M010	1m
100	1200658566	803006E03M040	4m
101	1200658571	804006E03M040	4m
102	1200658576	808006E02M010	1m
103	1200658577	808006E02M020	2m
104	1200658578	808006E02M030	3m
105	1200658579	808006E02M100	10m

No.	Part No.	Engineering No.	Cable Length
106	1200658612	803006P03M040	4m
107	1200658613	803006P03M100	10m
108	1200658653	803006H09M010	1m
109	1200658654	803006H09M015	1.5m
110	1200658655	803006H09M020	2m
111	1200658656	803006H09M030	3m
112	1200658657	803006H09M040	4m
113	1200658658	808006H08M010	1m
114	1200658659	808006H08M015	1.5m
115	1200658660	808006H08M020	2m
116	1200658661	808006H08M030	3m
117	1200658662	808006H08M040	4m
118	1200658663	808006H08M050	5m
119	1200658727	804006H09M010	1m
120	1200658728	804006H09M015	1.5m
121	1200658729	804006H09M020	2m
122	1200658730	804006H09M030	3m
123	1200658731	804006H09M040	4m
124	1200658732	804006H09M050	5m
125	1200658733	804006H09M100	10m
126	1200658741	805006H09M010	1m
127	1200658742	805006H09M015	1.5m
128	1200658743	805006H09M020	2m
129	1200658744	805006H09M030	3m
130	1200658745	805006H09M040	4m
131	1200658746	805006H09M050	5m
132	1200658747	805006H09M100	10m
133	1200658784	804006E03M0101H	1m
134	1200658785	804006E03M1001H	10m
135	1200658814	808006H08M025	2.5m
136	1200658815	808006E02M003G	0.3m
137	1200658859	808006E02M0061G	0.6m
138	1200658876	804006E03M150	15m
139	1200658881	803006E03M050G	5m
140	1200658888	804006E03M020H	2m

NOTES:

* - Part No. with Yellow PVC overmolding

** - Part No. with Black PVC overmolding

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: ADDED NEW PNS				
	$\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	DIMENSION UNITS: mm SCALE: 1:1	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$ 4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5			
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING: A3-SIZE SERIES: 120065	DOCUMENT NUMBER: 1200659185 DOC TYPE: PSD DOC PART: 000 REVISION: A9	MATERIAL NUMBER: SEE PART LIST CUSTOMER: GENERAL MARKET SHEET NUMBER: 3 OF 4

PART LIST

No.	Part No.	Engineering No.	Cable Length
141	1200658890	804006H09M003	0.3m
142	1200658892	803006H09M003	0.3m
143	1200658893	804006E03M050H	5m
144	1200658895	804006H09M200	20m
145	1200658897	805006E03M200	20m
146	1200658913	805006P03M030	3m
147	1200658918	808006E02M005H	0.5m
148	1200658919	808006E02M010H	1m
149	1200659034	804006E02M050	5m
150	1200659036	804006E02M070	7m
151	1200659037	804006E02M100	10m
152	1200659041	808006E02M005	0.5m
153	1200659080	804006E03M020Y	2m
154	1200659104	803006E03M010Y	1m
155	1200659109	804006E02M020	2m
156	1200659110	808006E02M0501	* 5m
157	1200659111	803006E02M050	5m
158	1200659141	805006H09M200	20m
159	1200659142	805006H09M300	30m
160	1200659145	805006E03M300	30m
161	1200659149	805006H09M005	0.5m
162	1200659154	804006P03M100Y	10m
163	1200659178	804006P03M075	7.5m
164	1200659179	804006P03M015	1.5m
165	1200659185	805006E03M080	8m
166	1200659186	804006E03M060	6m
167	1200659190	804006P03M250	25m
168	1200659191	804006P03M300	30m
169	1200659192	804006P03M350	35m
170	1200659193	804006P03M400	40m
171	1200659194	804006E03M250	25m
172	1200659195	804006E03M300	30m
173	1200659196	804006E03M350	35m
174	1200659197	804006E03M400	40m
175	1200659198	804006E03M450	45m

No.	Part No.	Engineering No.	Cable Length
176	1200659224	805006P03M200	20m
177	1200659225	805006P03M300	30m
178	1200659254	804006E03M500	50m
179	1200659281	805006P03M150	15m
180	1200659284	808006E02M150	15m
181	1200659285	805006E03M150	15m
182	1200659316	805006P03M005H	0.5m
183	1200659317	805006P03M007H	0.7m
184	1200659318	805006P03M010H	1m
185	1200659319	805006P03M020H	2m
186	1200659320	805006P03M050H	5m
187	1200659321	805006P03M100H	10m
188	1200659322	805006P03M150H	15m
189	1200659323	805006P03M200H	20m
190	1200659324	805006P03M300H	30m
191	1200659325	805006P03M350H	35m
192	1200659367	805006E03M015	1.5m
193	1200659454	805006E03M045	4.5m
194	1200659455	805006E03M075	7.5m
195	1200659513	805006E03M030H	3m
196	1200659514	805006E03M045H	4.5m
197	1200659515	805006E03M075H	7.5m
198	1200659550	804006E03M120H	12m
199	1200659551	805006E03M010H	1m
200	1200659557	804006P03M003	0.3m
201	1200659612	804006P03M080	8m
202	1200659692	803006E02M020	2m
203	1200659983	804006E02M075	7.5m
204	1200659991	804006E02M0705	7m
205	1200656021	804006H09M050H	5m
206	1200659539	808006E02M100	** 10m
207	1200656293	803006E03M080	8m
208	1200656294	803006E03M120	12m
209	1200656295	804006E03M080	8m
210	1200656297	808006H08M005	0.5m

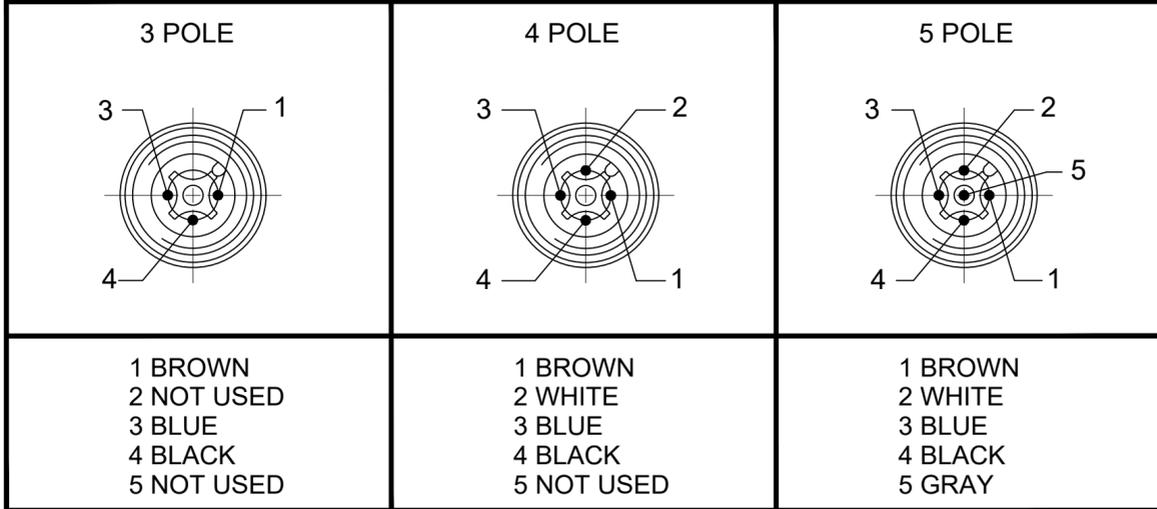
No.	Part No.	Engineering No.	Cable Length
211	1200650843	803006A09M0208	* 2m
212	1200651374	805006K03M020	2m
213	1200652151	805006K03M050	5m
214	1200651129	804006K05M020	2m
215	1200651131	804006K05M050	5m
216	1200651133	804006K05M100	10m
217	1200657191	805006E03M005	0.5m
218	1200656974	805006H09M003	0.3m
219	1200657157	804006P03M002	0.2m
220	1200657158	804006P03M005	0.5m
221	1200657159	804006E03M015	1.5m
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No.	Part No.	Engineering No.	Cable Length
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NOTES:
 * - Part No. with Yellow PVC overmolding
 ** - Part No. with Black PVC overmolding

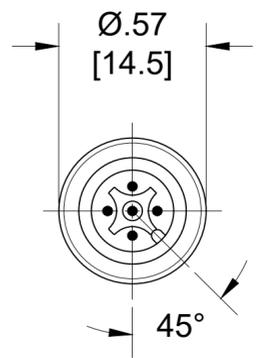
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: ADDED NEW PNS		 CSE M12 XP AC MA STR XM SE UNSH		
	$\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$	DIMENSION UNITS: mm SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$ 4 PLACES \pm 3 PLACES \pm 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5	EC NO: 695290 DRWN: MDHARMANTI 2021/12/02 CHK'D: RSILLER 2022/02/11 APPR: RSILLER 2022/02/11			
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION	DRAWING: A3-SIZE SERIES: 120065 MATERIAL NUMBER: SEE PART LIST CUSTOMER: GENERAL MARKET	DOCUMENT NUMBER: 1200659185 DOC TYPE: PSD DOC PART: 000 REVISION: A9	SHEET NUMBER: 4 OF 4		

FACE VIEW - MALE INSERT

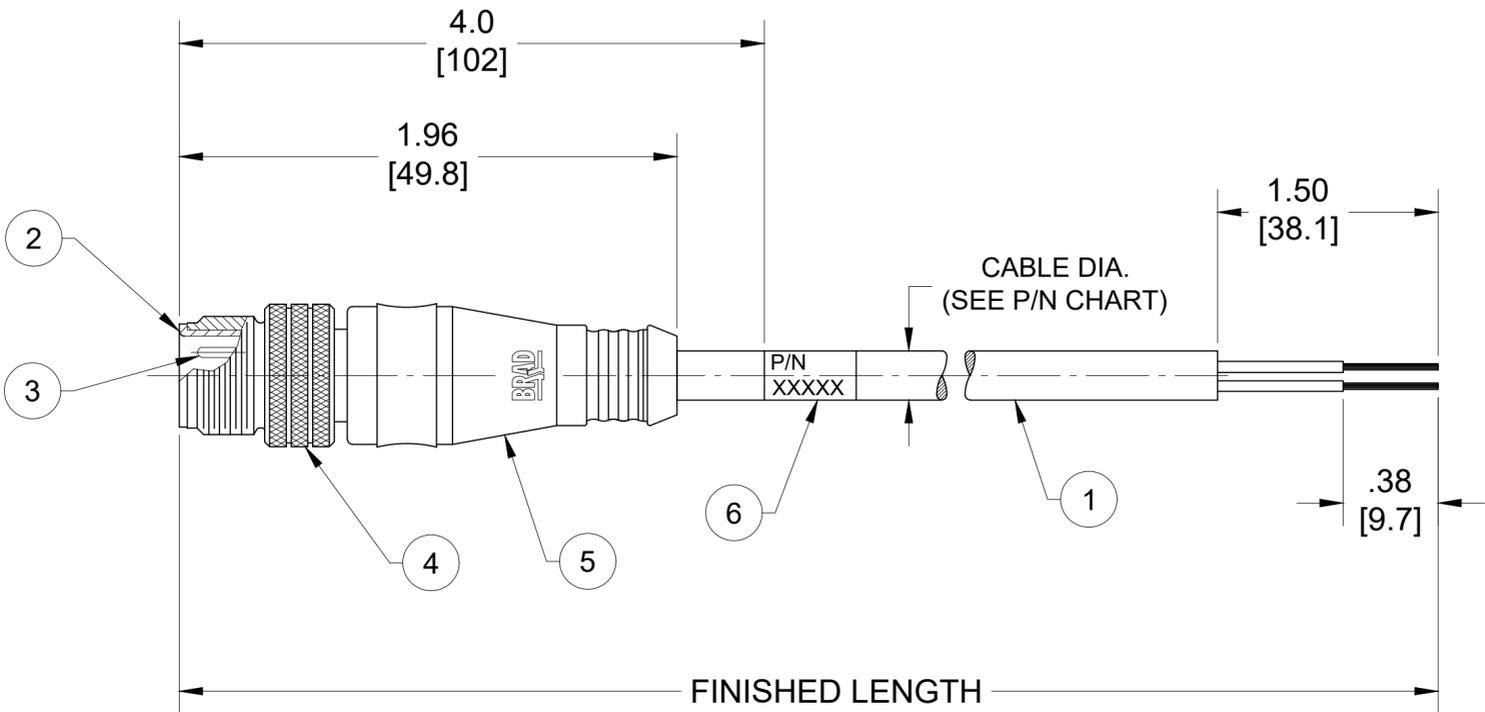


NOTES:

- MATERIAL: AS NOTED
- FINISH: AS NOTED
- ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
- TEMP RATING: -20° TO +105°C (B)
- PROTECTION: IP67 (WHEN MATED)
- COUPLING THREAD: M12X1
- UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
- ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200651113	803006K05M006	0.6M [2FT]	3	.20 [5.1]
1200652049	804006K05M150	15M [49FT 2 IN]	4	.21 [5.3]
1200652470	805006K05M300	30M [98FT 5 IN]	5	.23 [5.8]



CABLE FLEX CHARACTERISTICS

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

PART NO. MATRIX
803006K05M006

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

ITEM	DESCRIPTION	MATERIAL	FINISH
6	WRAP LABEL	VINYL	BLACK/YELLOW
5	OVERMOLD	TPC	YELLOW
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
2	MALE INSERT	PUR	BLACK
1	#22 AWG CABLE	TPE JACKET	YELLOW

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

FUNCTIONAL SYMBOLS	DIMENSION UNITS: INCH/MM	SCALE: NTS	CURRENT REV DESC: ITEM #6 WAS TPE. MODIFIED TEMP RATING & PN CHART
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 671333 DRWN: ABENJAMINLW 2021/04/30 CHK'D: RSTONE 2021/07/23 APPR: BWOODMAN 2021/07/28
	4 PLACES	±----	
DRAWING	3 PLACES	±----	INITIAL REVISION:
	2 PLACES	±----	DRWN: RSTONE 2018/11/01
	1 PLACE	±----	APPR: BWOODMAN 2018/11/30
THIRD ANGLE PROJECTION	0 PLACES	±----	ANGULAR TOL ± ---- °
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING: C-SIZE
SERIES: 120065		MATERIAL NUMBER: SEE CHART	CUSTOMER: GENERAL MARKET
DOCUMENT NUMBER: SD-120065-114		DOC TYPE: PSD	DOC PART: 001
SHEET NUMBER: 1 OF 1		REVISION: B	