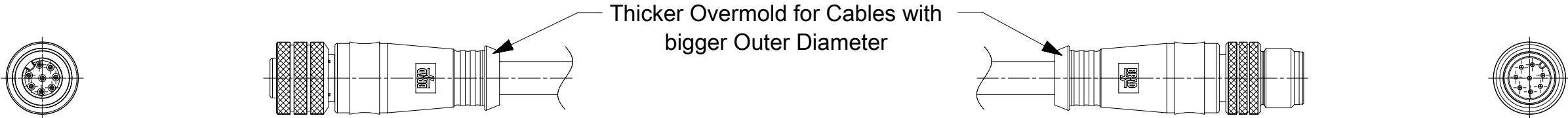
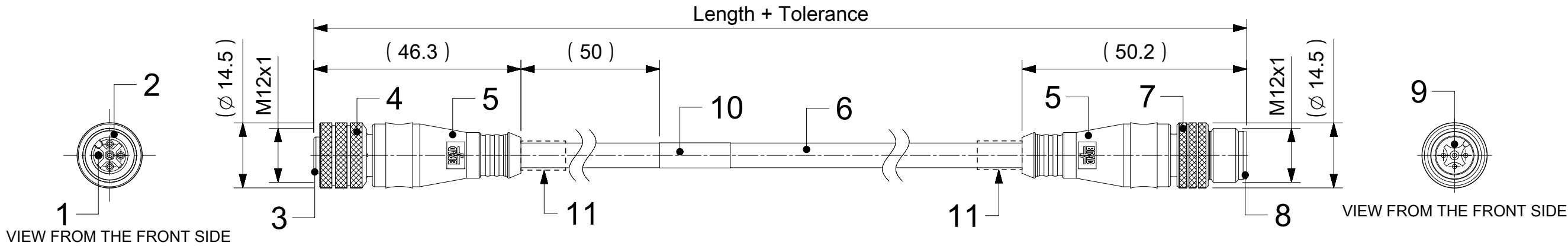


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



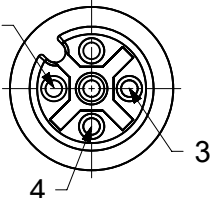
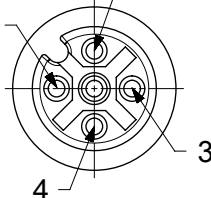
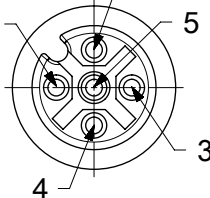
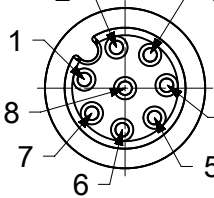
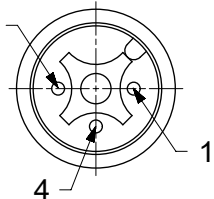
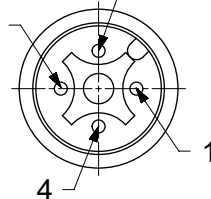
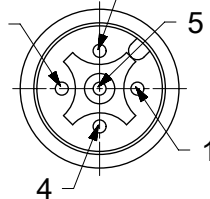
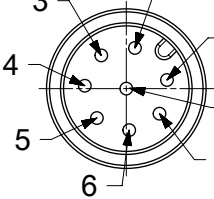
NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664

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	
FEMALE								
MALE								
CONNECTIONS	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	GREY	5	GREY
							6	PINK
							7	BLUE
						8	RED	
CODING REQUIRED TO IEC 61076-2-101								

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

88X030XXX

88=Micro-Change
M12x1
Double ended

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

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter

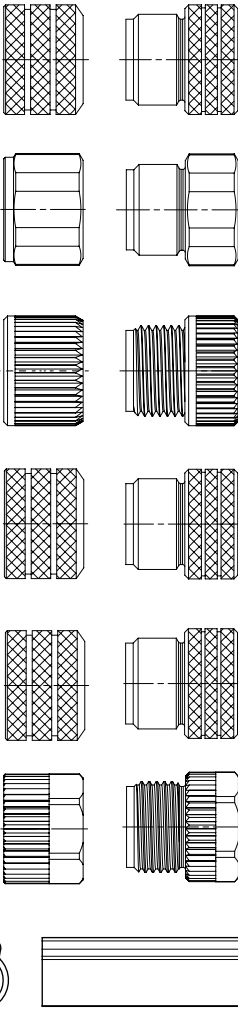
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
8=Type 316 stainless steel
9=Knurled / Hexagonal Brass Ni Plated SW13

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

COUPLING NUTS
FEMALE MALE



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	0.25mm²	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.	-	-
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	-
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.	-	-

CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

FUNCTIONAL 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: ADDED NEW PNS					molex								
√A = 0	mm		1:1															
√E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 692872 DRWN: MDHARMANTI2021/12/02 CHK'D: RSILLER2022/01/24 APPR: RSILLER2022/01/24					CSE M12 XP AC FE STR MA STR XM DE								
√F = 0	ANGULAR TOL ± 1.0 °																	
DIVISIONAL SYMBOLS	4 PLACES		±		INITIAL REVISION: DRWN: JMARSZALEK2016/09/16 APPR: RSILLER2016/12/08					DOCUMENT NUMBER 1200668084			DOC TYPE PSD	DOC PART 000	REVISION A14			
	3 PLACES		±															
	2 PLACES		± 0.05		PRODUCT CUSTOMER DRAWING													
	1 PLACE		± 0.3															
	0 PLACES		± 0.5		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 120066		MATERIAL NUMBER SEE SHEET 3-4		CUSTOMER GENERAL MARKET		SHEET NUMBER 2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2022/01/24	16:46:28
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10				9				8				7				6				5				4				3				2				1				
PART LIST																																								
F	No.				MOLEX PN				Engineering No.				Length																											
	1				1200060049				884030E03M050				5m																											
	2				1200060050				884030P03M015				1.5m																											
	3				1200060051				884030P03M030				3m																											
E	4				1200070081				883030E03M006				0.6m																											
	5				1200070083				883030E03M010				1m																											
	6				1200070085				883030E03M020				2m																											
	7				1200070086				883030E03M0205				2m																											

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																							
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F	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>1</td><td>1200060049</td><td>884030E03M050</td><td>5m</td></tr> <tr><td>2</td><td>1200060050</td><td>884030P03M015</td><td>1.5m</td></tr> <tr><td>3</td><td>1200060051</td><td>884030P03M030</td><td>3m</td></tr> <tr><td>4</td><td>1200070081</td><td>883030E03M006</td><td>0.6m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	1	1200060049	884030E03M050	5m	2	1200060050	884030P03M015	1.5m	3	1200060051	884030P03M030	3m	4	1200070081	883030E03M006	0.6m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>36</td><td>1200071114</td><td>883030P03M020H</td><td>2m</td></tr> <tr><td>37</td><td>1200071122</td><td>883030P03M030H</td><td>3m</td></tr> <tr><td>38</td><td>1200071123</td><td>883030P03M010H</td><td>1m</td></tr> <tr><td>39</td><td>1200071131</td><td>883030P03M0201</td><td>2m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	36	1200071114	883030P03M020H	2m	37	1200071122	883030P03M030H	3m	38	1200071123	883030P03M010H	1m	39	1200071131	883030P03M0201	2m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>71</td><td>1200072763</td><td>884030P03M0201</td><td>2m</td></tr> <tr><td>72</td><td>1200072764</td><td>884030P03M0301</td><td>3m</td></tr> <tr><td>73</td><td>1200072803</td><td>884030P03M040</td><td>4m</td></tr> <tr><td>74</td><td>1200072804</td><td>884030P03M060</td><td>6m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	71	1200072763	884030P03M0201	2m	72	1200072764	884030P03M0301	3m	73	1200072803	884030P03M040	4m	74	1200072804	884030P03M060	6m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>106</td><td>1200668347</td><td>885030E03M100</td><td>10m</td></tr> <tr><td>107</td><td>1200668352</td><td>888030P02M250</td><td>25m</td></tr> <tr><td>108</td><td>1200668353</td><td>888030P02M350</td><td>35m</td></tr> <tr><td>109</td><td>1200668354</td><td>888030P02M400</td><td>40m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	106	1200668347	885030E03M100	10m	107	1200668352	888030P02M250	25m	108	1200668353	888030P02M350	35m	109	1200668354	888030P02M400	40m	F																																																																																
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46	1200071583	885030E03M080	8m																																																																																																																																																																														
47	1200071594	884030E03M015	1.5m																																																																																																																																																																														
48	1200071596	884030E03M060	6m																																																																																																																																																																														
49	1200071703	884030E03M0205	2m																																																																																																																																																																														
75	1200073049	885030P03M0501	5m																																																																																																																																																																														
76	1200073083	885030P03M006	0.6m																																																																																																																																																																														
77	1200073084	885030P03M150	15m																																																																																																																																																																														
78	1200660498	883030P03M010	1m																																																																																																																																																																														
79	1200660500	883030P03M020	2m																																																																																																																																																																														
80	1200660501	883030P03M030	3m																																																																																																																																																																														
81	1200660502	883030P03M050	5m																																																																																																																																																																														
82	1200660579	888030P02M010	1m																																																																																																																																																																														
83	1200660580	888030P02M020	2m																																																																																																																																																																														
84	1200660581	888030P02M030	3m																																																																																																																																																																														
110	1200668370	883030E03M040	4m																																																																																																																																																																														
111	1200668373	883030H09M006	0.6m																																																																																																																																																																														
112	1200668374	883030H09M010	1m																																																																																																																																																																														
113	1200668375	883030H09M030	3m																																																																																																																																																																														
114	1200668376	883030H09M040	4m																																																																																																																																																																														
115	1200668377	883030H09M100	10m																																																																																																																																																																														
116	1200668378	884030H09M006	0.6m																																																																																																																																																																														
117	1200668379	884030H09M010	1m																																																																																																																																																																														
118	1200668380	884030H09M040	4m																																																																																																																																																																														
119	1200668381	884030H09M100	10m																																																																																																																																																																														
D	<table> <tr><td>15</td><td>1200070470</td><td>884030E03M003</td><td>0.3m</td></tr> <tr><td>16</td><td>1200070472</td><td>884030E03M006</td><td>0.6m</td></tr> <tr><td>17</td><td>1200070473</td><td>884030E03M010</td><td>1m</td></tr> <tr><td>18</td><td>1200070474</td><td>884030E03M020</td><td>2m</td></tr> <tr><td>19</td><td>1200070475</td><td>884030E03M030</td><td>3m</td></tr> <tr><td>20</td><td>1200070476</td><td>884030E03M100</td><td>10m</td></tr> <tr><td>21</td><td>1200070486</td><td>884030P03M003</td><td>0.3m</td></tr> <tr><td></td></tr></table>	15	1200070470	884030E03M003	0.3m	16	1200070472	884030E03M006	0.6m	17	1200070473	884030E03M010	1m	18	1200070474	884030E03M020	2m	19	1200070475	884030E03M030	3m	20	1200070476	884030E03M100	10m	21	1200070486	884030P03M003	0.3m																																																																																																																																																				
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17	1200070473	884030E03M010	1m																																																																																																																																																																														
18	1200070474	884030E03M020	2m																																																																																																																																																																														
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20	1200070476	884030E03M100	10m																																																																																																																																																																														
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