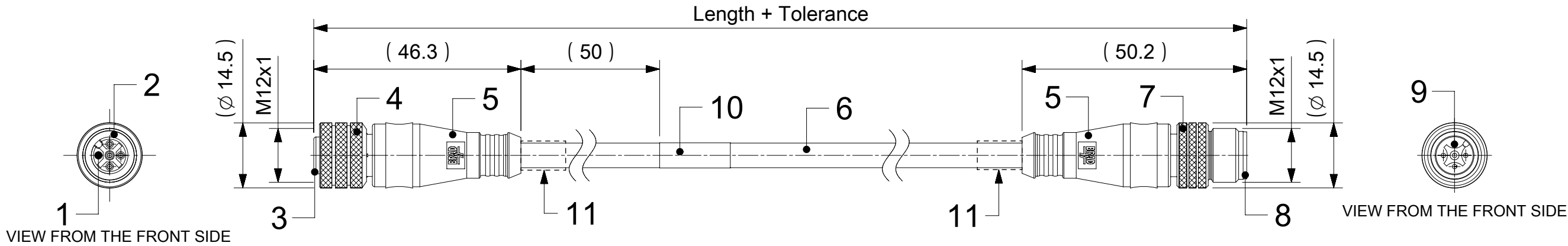


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE SHEET 2	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	-
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	-
7	1	COUPLING NUT MALE	-	-
6	-	CABLE	SEE SHEET 2	-
5	-	OVERMOULDING BLACK	TPU	-
4	1	COUPLING NUT FEMALE	-	-
3	1	INSERT FEMALE BLACK	PUR	-
2	1	O-RING RED	FPM	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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

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

OPTIONS

COUPLING NUTS
FEMALE MALE

8	8	X	0	3	0	X	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

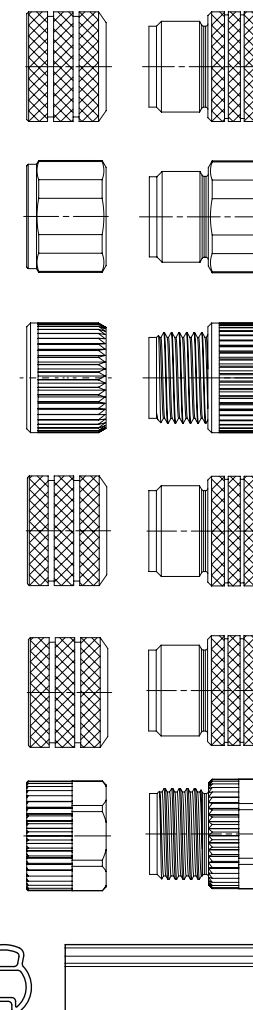
Units:
M=Meter
C=Centimeter

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



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	SHIELDING
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.	-	-

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												
F_A = 0 F_E = 0 F_P = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N'S ADDED TO THE DRAWING 12335			molex					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE STR MA STR XM DE								
	ANGULAR TOL ± 1.0°												
	4 PLACES		±										
DIVISIONAL SYMBOLS	3 PLACES		±		EC NO: 769491 DRWN: VHANDI 2023/10/30 CHK'D: RSILLER 2023/11/21 APPR: RSILLER 2023/11/21			PRODUCT CUSTOMER DRAWING					
	2 PLACES		± 0.05										
	1 PLACE		± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/09/16 APPR: RSILLER 2016/12/08			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	0 PLACES		± 0.5					1200668084		PSD	000	A1	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE	120066	SEE SHEET 3-4		GENERAL MARKET		2 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2023/11/21	12:03:28
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	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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F	<table><tr><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr><tr><td>1200668174</td><td>884030H09M030</td><td>3m</td></tr><tr><td>1200668380</td><td>884030H09M040</td><td>4m</td></tr><tr><td>1200668244</td><td>884030H09M050</td><td>5m</td></tr><tr><td>1200668550</td><td>884030H09M050H</td><td>5m</td></tr><tr><td>1200668737</td><td>884030H09M055</td><td>5.5m</td></tr><tr><td>1200669926</td><td>884030H09M065H</td><td>6.5m</td></tr><tr><td>1200669927</td><td>884030H09M070H</td><td>7m</td></tr><tr><td>1200669931</td><td>884030H09M075H</td><td>7.5m</td></tr><tr><td>1200669932</td><td>884030H09M080H</td><td>8m</td></tr><tr><td>1200668381</td><td>884030H09M100</td><td>10m</td></tr><tr><td colspan="3">5P CABLE H09</td></tr><tr><td>1200668509</td><td>885030H09M006</td><td>0.6m</td></tr><tr><td>1200668497</td><td>885030H09M010</td><td>1m</td></tr><tr><td>1200669756</td><td>885030H09M015H</td><td>1.5m</td></tr><tr><td>1200668500</td><td>885030H09M020</td><td>2m</td></tr><tr><td>1200669762</td><td>885030H09M020H</td><td>2m</td></tr><tr><td>1200669757</td><td>885030H09M025H</td><td>2.5m</td></tr><tr><td>1200668510</td><td>885030H09M030</td><td>3m</td></tr><tr><td>1200669763</td><td>885030H09M030H</td><td>3m</td></tr><tr><td>1200668853</td><td>885030H09M040</td><td>4m</td></tr><tr><td>1200668501</td><td>885030H09M050</td><td>5m</td></tr><tr><td>1200668854</td><td>885030H09M060</td><td>6m</td></tr><tr><td>1200668502</td><td>885030H09M092</td><td>9.2m</td></tr><tr><td>1200668511</td><td>885030H09M100</td><td>10m</td></tr><tr><td>1200668683</td><td>885030H09M150</td><td>15m</td></tr><tr><td>1200668684</td><td>885030H09M200</td><td>20m</td></tr></table>			MOLEX PN	Engineering No.	Length	1200668174	884030H09M030	3m	1200668380	884030H09M040	4m	1200668244	884030H09M050	5m	1200668550	884030H09M050H	5m	1200668737	884030H09M055	5.5m	1200669926	884030H09M065H	6.5m	1200669927	884030H09M070H	7m	1200669931	884030H09M075H	7.5m	1200669932	884030H09M080H	8m	1200668381	884030H09M100	10m	5P CABLE H09			1200668509	885030H09M006	0.6m	1200668497	885030H09M010	1m	1200669756	885030H09M015H	1.5m	1200668500	885030H09M020	2m	1200669762	885030H09M020H	2m	1200669757	885030H09M025H	2.5m	1200668510	885030H09M030	3m	1200669763	885030H09M030H	3m	1200668853	885030H09M040	4m	1200668501	885030H09M050	5m	1200668854	885030H09M060	6m	1200668502	885030H09M092	9.2m	1200668511	885030H09M100	10m	1200668683	885030H09M150	15m	1200668684	885030H09M200	20m							<table><tr><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr><tr><td>1200668086</td><td>885030P03M0283</td><td>2.8m</td></tr><tr><td>1200071408</td><td>885030P03M030</td><td>3m</td></tr><tr><td>1200668796</td><td>885030P03M030H</td><td>3m</td></tr><tr><td>1200668163</td><td>885030P03M040</td><td>4m</td></tr><tr><td>1200071049</td><td>885030P03M050</td><td>5m</td></tr><tr><td>1200073049</td><td>885030P03M0501</td><td>5m</td></tr><tr><td>1200668797</td><td>885030P03M050H</td><td>5m</td></tr><tr><td>1200668088</td><td>885030P03M070</td><td>7m</td></tr><tr><td>1200071284</td><td>885030P03M100</td><td>10m</td></tr><tr><td>1200668798</td><td>885030P03M100H</td><td>10m</td></tr><tr><td>1200072656</td><td>885030P03M120</td><td>12m</td></tr><tr><td>1200073084</td><td>885030P03M150</td><td>15m</td></tr><tr><td>1200669111</td><td>885030P03M150H</td><td>15m</td></tr><tr><td>1200668238</td><td>885030P03M200</td><td>20m</td></tr><tr><td>1200668800</td><td>885030P03M200H</td><td>20m</td></tr><tr><td>1200668775</td><td>885030P03M300</td><td>30m</td></tr><tr><td>1200668801</td><td>885030P03M300H</td><td>30m</td></tr><tr><td>1200668802</td><td>885030P03M350H</td><td>35m</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><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