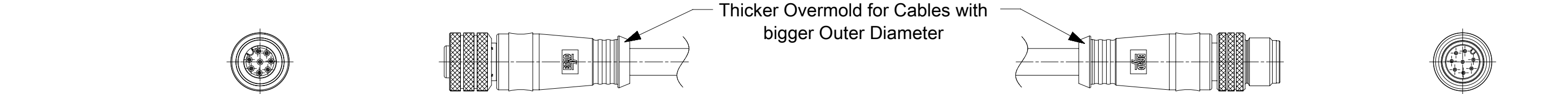
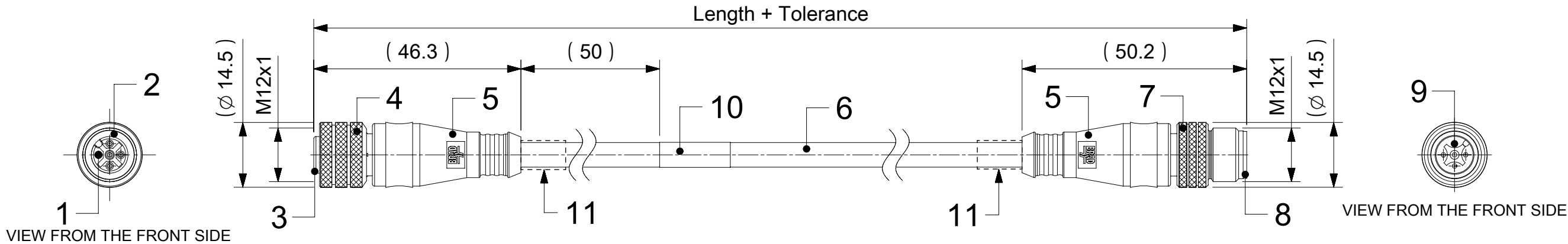


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



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		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N'S ADDED TO THE DRAWING 12335							
E A = 0		mm		1:1		molex							
E = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)											
E = 0		ANGULAR TOL ± 1.0 °											
DIVISIONAL SYMBOLS		4 PLACES ±		EC NO: 769491		CSE M12 XP AC FE STR MA STR XM DE							
		3 PLACES ±		DRWN: VHANDI 2023/10/30									
		2 PLACES ± 0.05		CHK'D: RSILLER 2023/11/21									
		1 PLACE ± 0.3		APPR: RSILLER 2023/11/21		PRODUCT CUSTOMER DRAWING							
		0 PLACES ± 0.5		INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		DRWN: JMARSZALEK 2016/09/16		1200668084		PSD		000		A17			
		APPR: RSILLER 2016/12/08											
		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		120066		SEE SHEET 3-4		GENERAL MARKET		1 OF 4	

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
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Cable type: See Table

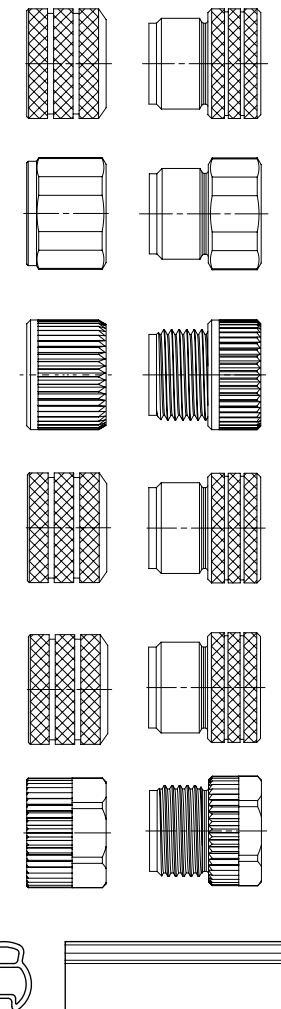
Units:
M=Meter
C=Centimeter

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	0.25mm²	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: 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°															
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 769491		PRODUCT CUSTOMER DRAWING								
	3 PLACES		±		DRWN: VHANDI 2023/10/30										
	2 PLACES		± 0.05		CHK'D: RSILLER 2023/11/21										
	1 PLACE		± 0.3		APPR: RSILLER 2023/11/21										
	0 PLACES		± 0.5		INITIAL REVISION:										
					DRWN: JMARSZALEK 2016/09/16		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
				APPR: RSILLER 2016/10/08		1200668084		PSD		000		A17			
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	
	PART LIST										
F	MOLEX PN			Engineering No.			Length				F
	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				
E	1200669932			884030H09M080H			8m				E
	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								
D	1200668510	885030H09M030	3m								D
	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								
C	8P CABLE P02										C
	1200661455	888030P02M005	0.5m								
	1200660579	888030P02M010	1m								
	1200668803	888030P02M010H	1m								
	1200660585	888030P02M100	10m								
	1200668807	888030P02M100H	10m								
	1200669353	888030P02M130	13m								
	1200660586	888030P02M150	15m								
B	1200668808	888030P02M150H	15m								B
	1200668327	888030P02M200	20m								
	1200668809	888030P02M200H	20m								
	MOLEX PN			Engineering No.			Length				

	10	9	8	7	6	5	4	3	2	1	
	PART LIST										
F	MOLEX PN			Engineering No.			Length				F
	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				
E	1200669932			884030H09M080H			8m				E
	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							
D	1200668510	885030H09M030		3m							D
	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							
C	8P CABLE P02										C
	1200661455	888030P02M005		0.5m							
	1200660579	888030P02M010		1m							
	1200668803	888030P02M010H		1m							
	1200660585	888030P02M100		10m							
	1200668807	888030P02M100H		10m</							

	10	9	8	7	6	5	4	3	2	1	
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F	MOLEX PN			Engineering No.			Length				F
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	1200668244			884030H09M050			5m				
	1200668550			884030H09M050H			5m				
	1200668737			884030H09M055			5.5m				
	1200669926			884030H09M065H			6.5m				
	1200669927			884030H09M070H			7m				
	1200669931			884030H09M075H			7.5m				
E	1200669932			884030H09M080H			8m				E
	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							
D	1200668510	885030H09M030		3m							D
	1200669763	885030H09M030H		3m							
	1200668853	885030H09M040		4m							
	1200668501	885030H09M050		5m							
	1200668854	885030H09M060		6m							
	1200668502	885030H09M092		9.2m							
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	1200668684	885030H09M200		20m							
C	8P CABLE P02										C
	1200661455	888030P02M005		0.5m							
	1200660579	888030P02M010		1m							
	1200668803	888030P02M010H		1m							
	1200660585	888030P02M100		10m							
	1200668807	888030P02M100H		10m</							

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