

Mating face view:

Shield connected to the housing

M12S 3 POLE	M12S 4 POLE	M12S 5 POLE	M12S 8 POLE																																																		
<table border="1"> <tr><th>PIN #</th><th>WIRE</th></tr> <tr><td>1</td><td>BROWN</td></tr> <tr><td>2</td><td>-</td></tr> <tr><td>3</td><td>BLUE</td></tr> <tr><td>4</td><td>BLACK</td></tr> </table>	PIN #	WIRE	1	BROWN	2	-	3	BLUE	4	BLACK	<table border="1"> <tr><th>PIN #</th><th>WIRE</th></tr> <tr><td>1</td><td>BROWN</td></tr> <tr><td>2</td><td>WHITE</td></tr> <tr><td>3</td><td>BLUE</td></tr> <tr><td>4</td><td>BLACK</td></tr> </table>	PIN #	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	<table border="1"> <tr><th>PIN #</th><th>WIRE</th></tr> <tr><td>1</td><td>BROWN</td></tr> <tr><td>2</td><td>WHITE</td></tr> <tr><td>3</td><td>BLUE</td></tr> <tr><td>4</td><td>BLACK</td></tr> <tr><td>5</td><td>GREY</td></tr> </table>	PIN #	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY	<table border="1"> <tr><th>PIN #</th><th>WIRE</th></tr> <tr><td>1</td><td>WHITE</td></tr> <tr><td>2</td><td>BROWN</td></tr> <tr><td>3</td><td>GREEN</td></tr> <tr><td>4</td><td>YELLOW</td></tr> <tr><td>5</td><td>GREY</td></tr> <tr><td>6</td><td>PINK</td></tr> <tr><td>7</td><td>BLUE</td></tr> <tr><td>8</td><td>RED</td></tr> </table>	PIN #	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
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CODING REQUIRED TO IEC 61076-2-101																																																					

TOLERANCES:

≤ 1m	+40 mm
1m - 5m	+60 mm
5m - 10m	+80 mm
> 10m	+140 mm
> 20m	+160 mm
> 30m	+1%

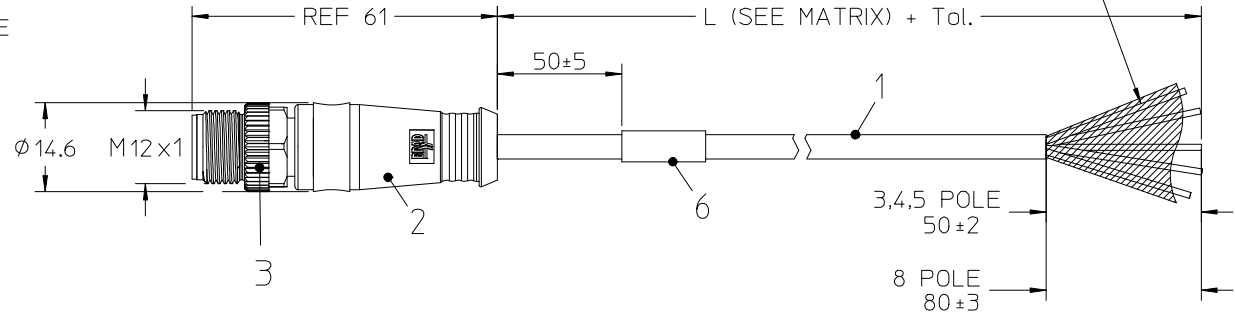
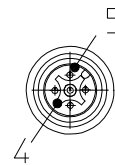
NUMERICAL CODE

8	0	X	S	0	6	B	S	X	M	X	X	X
80 = M12x1 single ended		Poles: 3 = 3 poles 4 = 4 poles 5 = 5 poles 8 = 8 poles		Header: S06 = plug shield male straight		Cable: BS1 = 0,34mm², TPU black BS2 = 0,25mm², TPU black		M = meter		Length: Example 010 = 1 m 050 = 5 m 100 = 10 m		

NOTES:

CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V
8 POLES 30V
PROTECTION CLASS: IP 67

VIEW FROM THE FRONT SIDE



CABLE SPECIFICATION

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	Temp. range static Bending radius static	Temp. range dynamic Bending radius dynamic	drag chain tested	shield type	other information
BS1 3P,4P,5P	0.34mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE
BS2 8P	0.25mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	braid	WELD SLAG RESISTANCE

For Raw Cable Specification see SD-120209-003

Bill of Materials

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
6	1	LABEL	-	-
5	1	INSERT XP MALE M12 SHIELD	PUR	BLACK
4	-	PIN MALE	BRASS	GOLD OVER NICKEL
3	1	KNU/HEX NUT M12 MALE	BRASS	CuNi3B
2	-	MOLDING NATURAL	TPU	BLACK
1	-	CABLE	SEE SPECIFICATION	-

CORRECT DIMENSION	EC NO: IPG2016-1487 DRWN:MAJGAT 2016/05/05 CHKD:AKONDRAC LUK 2016/05/05 APPR:MIWASIECZKO 2016/05/06	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY JMARZALEK	DATE 2014/09/20	TITLE	
			4 PLACES	± ---	± ---	CHECKED BY	DATE		
			3 PLACES	± ---	± ---	WSTRASZKIEWI 2014/09/20			
2 PLACES	± ---	± ---	APPROVED BY	DATE					
1 PLACE	± ---	± ---	MIWASIECZKO 2014/12/11						
0 PLACE	± ---	± ---	MATERIAL NO.						
ANGULAR ± 1 °			SEE TABLE (SHEET 2)		DOCUMENT NO. SD-120069-008		SHEET NO. 1 OF 2		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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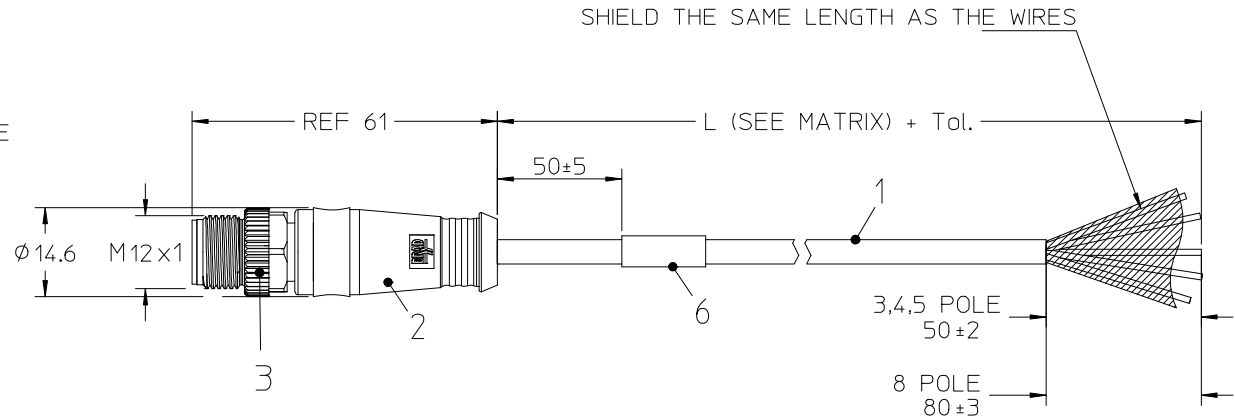
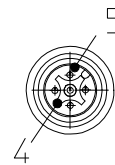
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				mm	INCH	DRAWN BY JMARSALEK	DATE 2014/09/20	TITLE CSE M12 XP AC MA STR TPU XXM SE SHLD BK			
			4 PLACES	± ---	± ---	CHECKED BY WSTRASZKIEWI	DATE 2014/09/20	molex			
			3 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO	DATE 2014/12/11				
	ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE (SHEET 2)		DOCUMENT NO. SD-120069-008		SHEET NO. 1 OF 2		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

PART LIST

MOLEX PN	ENGINEERING No	L[mm]
1200698541	808S06BS2M100	10000
1200698613	803S06BS1M010	1000
1200698614	803S06BS1M020	2000
1200698615	803S06BS1M050	5000
1200698616	803S06BS1M100	10000
1200698617	804S06BS1M010	1000
1200698618	804S06BS1M020	2000
1200698619	804S06BS1M050	5000
1200698620	804S06BS1M100	10000
1200698621	805S06BS1M010	1000
1200698622	805S06BS1M020	2000
1200698623	805S06BS1M050	5000
1200698624	805S06BS1M100	10000
1200698625	808S06BS2M010	1000
1200698626	808S06BS2M020	2000
1200698627	808S06BS2M050	5000
1200698760	805S06BS1M004	400
1200698846	805S06BS1M007	700
1200698845	805S06BS1M070	7000

CORRECT DIMENSION ON SHEET 1 EC NO: IPG2016-1487 DRWN: MMAJGAT 2016/05/05 CHKD: AKONDRAC IUK APPR: MIWASIECZKO 2016/05/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	=0 =0		mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	AKONDRAC IUK	2015/08/06	CSE M12 XP AC MA STR TPU XXM SE SHLD BK			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
		2 PLACES	± ---	± ---	MMAJGAT	2015/08/06				
		1 PLACE	± ---	± ---	APPROVED BY	DATE				
0 PLACE	± ---	± ---								
		ANGULAR ± 1 °		MATERIAL NO.	DOCUMENT NO.	SHEET NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE (SHEET 2)	SD-120069-008	2 OF 2				
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PART LIST

MOLEX PN	ENGINEERING No	L[mm]
1200698541	808S06BS2M100	10000
1200698613	803S06BS1M010	1000
1200698614	803S06BS1M020	2000
1200698615	803S06BS1M050	5000
1200698616	803S06BS1M100	10000
1200698617	804S06BS1M010	1000
1200698618	804S06BS1M020	2000
1200698619	804S06BS1M050	5000
1200698620	804S06BS1M100	10000
1200698621	805S06BS1M010	1000
1200698622	805S06BS1M020	2000
1200698623	805S06BS1M050	5000
1200698624	805S06BS1M100	10000
1200698625	808S06BS2M010	1000
1200698626	808S06BS2M020	2000
1200698627	808S06BS2M050	5000
1200698760	805S06BS1M004	400
1200698846	805S06BS1M007	700
1200698845	805S06BS1M070	7000

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		2 PLACES	± ---	± ---	MMAJGAT	2015/08/06				
		1 PLACE	± ---	± ---	APPROVED BY	DATE				
0 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.					
		ANGULAR ± 1 °		SEE TABLE (SHEET 2)		SD-120069-008		SHEET NO. 2 OF 2		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						