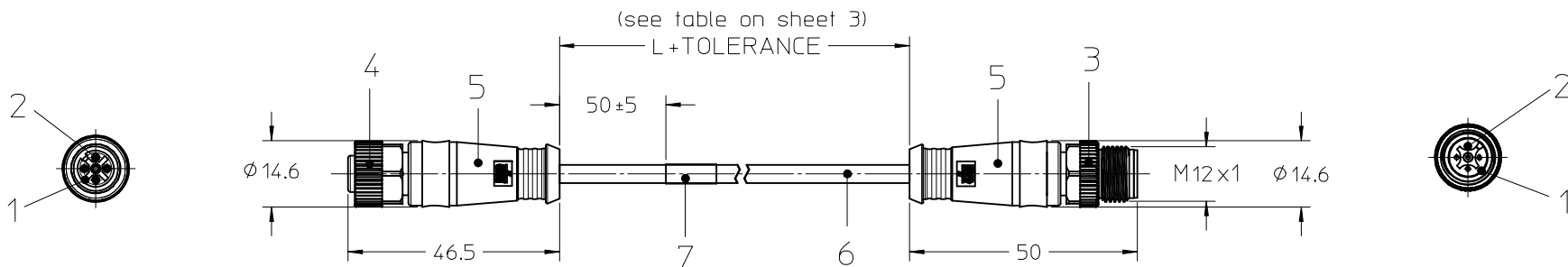


# FEMALE M12 STRAIGHT TO MALE M12 STRAIGHT CORDSET



**NOTES:**

TEMPERATURE RANGE	SEE TABLE ON SHEET 2
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

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

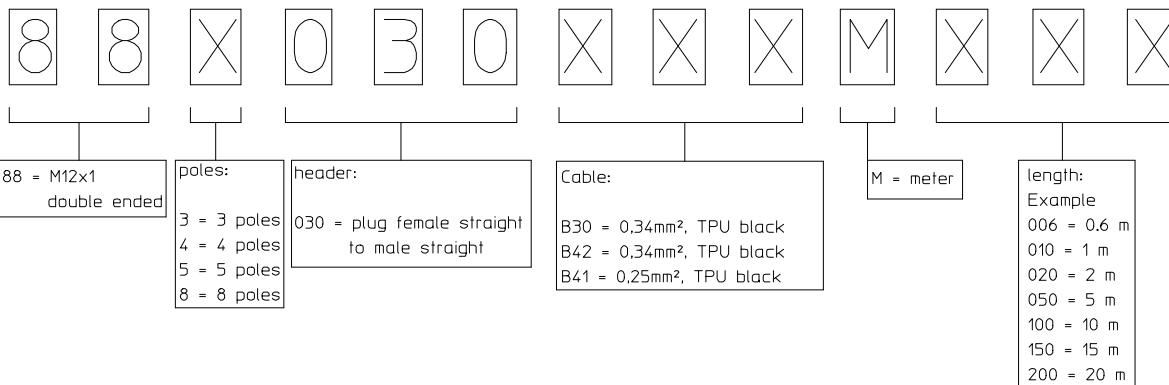
Mating face view:

3 WIRE	4 WIRE	5 WIRE	5 WIRE	8 WIRE
B30	B30	B30	B42	B41
PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE
1 BROWN 2 - 3 BLUE 4 BLACK 5 -	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 -	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREEN/YELLOW	1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED
CODING REQUIRED TO IEC 61076-2-101				

ITEM	DESCRIPTION	MATERIAL	FINISH
7	LABEL	---	---
6	CABLE	SEE TABLE (SHEET 2)	---
5	OVERMOULDING	TPU	BLACK
4	COUPLING NUT FEMALE SW13	BRASS	NI PLATED
3	COUPLING NUT MALE SW13	BRASS	NI PLATED
2	PIN CONTACT	BRASS	GOLD PLATED
1	INSERT	PA	BLACK

<b>ENTER DESCRIPTION</b> EC NO: IPG2015-1060 DRWN:FSCHAFHAUSER 2014/12/03 CHKD:RSILLER 2014/12/04 APPR:CBURGER 2014/12/05	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.30 ± --- 0 PLACE ± 0.50 ± ---		DRAWN BY FSCHAFHAUSER	DATE 2014/03/10	TITLE <b>CSE M12 XP AC FE STR MA STR XM DE UNSH</b>			
		ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY PMERUNKA	DATE 2014/07/01				
		SEE TABLE		APPROVED BY CBURGER	DATE 2014/08/25				

NUMERICAL CODE (Available parts see table page 3 ff others on request.)



CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
B30 3P, 4P, 5P B42 5P	0.34mm <sup>2</sup>	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE
B41 8P	0.25mm <sup>2</sup>	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE

For cable specification see on drawing SD-120209-001 and SD-120209-006

ENTER DESCRIPTION EC NO: IPG2015-1060 DRW:FSCHAFHAUSER 2014/12/03 CHK:RSILLER 2014/12/04 APPR:CBURGER 2014/12/05	DESCRIPTION 4	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.30 ± --- 0 PLACE ± 0.50 ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY	1:1	METRIC		
				DRAWN BY	DATE	TITLE		
				CHECKED BY	DATE	CSE M12 XP AC FE STR MA STR XM DE UNSH		
		APPROVED BY	DATE	<b>molex</b> DOCUMENT NO. SD-120065-078 SHEET NO. 2 OF 3				
		CBURGER	2014/08/25					
		MATERIAL NO.		SEE TABLE				
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

PART LIST

PART NUMBER	NUMERICAL CODE	CABLE LENGTH "L" IN M
1200668889	883030B30M006	0.6M
1200668890	883030B30M010	1M
1200668891	883030B30M020	2M
1200668892	883030B30M030	3M
1200668893	883030B30M050	5M
1200668894	883030B30M100	10M
1200668817	884030B30M006	0.6M
1200668818	884030B30M010	1M
1200668819	884030B30M020	2M
1200668820	884030B30M030	3M
1200668821	884030B30M050	5M
1200668863	884030B30M070	7M
1200668822	884030B30M100	10M
1200668913	884030B30M150	15M
1200668914	884030B30M200	20M
1200668915	884030B30M250	25M
1200668916	884030B30M300	30M
1200668991	885030B30M006	0.6M
1200668992	885030B30M010	1M
1200668993	885030B30M020	2M
1200668994	885030B30M030	3M
1200668995	885030B30M050	5M
1200668996	885030B30M100	10M
1200668823	885030B42M006	0.6M
1200668824	885030B42M010	1M
1200668825	885030B42M020	2M
1200668826	885030B42M030	3M
1200668827	885030B42M050	5M
1200668828	885030B42M100	10M
1200659548	885030B42M150	15M
1200659549	885030B42M200	20M
1200668895	888030B41M006	0.6M
1200668896	888030B41M010	1M
1200668897	888030B41M020	2M
1200668898	888030B41M030	3M
1200668870	888030B41M038	3.8M
1200668899	888030B41M050	5M
1200668900	888030B41M100	10M

ENTER DESCRIPTION EC NO: IPG2015-1060 DRWN:FSCHAFHAUSER 2014/12/03 CHKD:RSILLER 2014/12/04 APPR:CBURGER 2014/12/05	REV 4	DESCRIPTION QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					mm	INCH	DRAWN BY	DATE	TITLE CSE M12 XP AC FE STR MA STR XM DE UNSH				
			4 PLACES	± ---	± ---	FSCHAFHAUSER	2014/03/10						
			3 PLACES	± ---	± ---	CHECKED BY	DATE	molex DOCUMENT NO. SD-120065-078 SHEET NO. 3 OF 3					
2 PLACES	± 0.05	± ---	PMERUNKA	2014/07/01									
1 PLACE	± 0.30	± ---	APPROVED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								
0 PLACE	± 0.50	± ---	CBURGER	2014/08/25									
ANGULAR ± 1 °			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE								