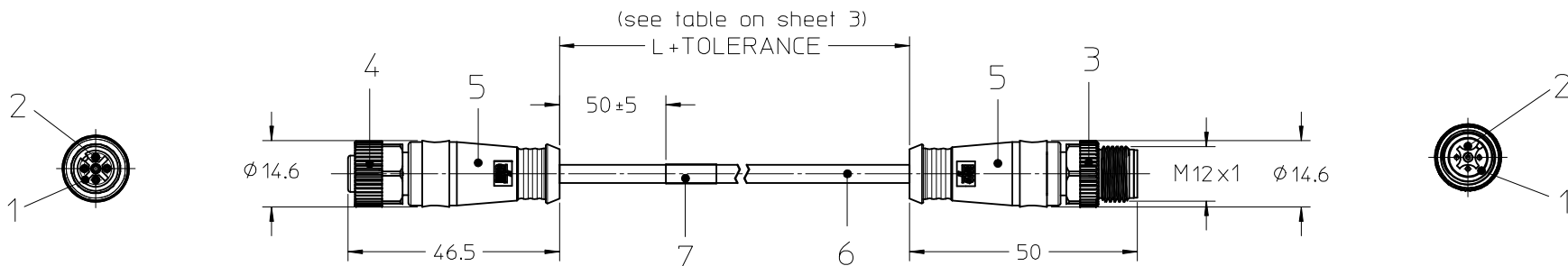


FEMALE M12 STRAIGHT TO MALE M12 STRAIGHT CORDSET



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:

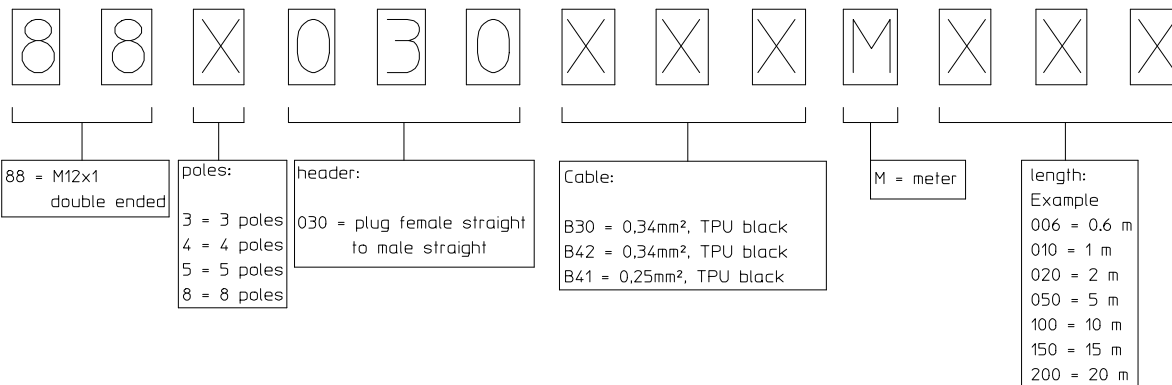
3 WIRE	4 WIRE	5 WIRE	5 WIRE	8 WIRE
B30	B30	B30	B42	B41
PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE
1 BROWN	1 BROWN	1 BROWN	1 BROWN	1 WHITE
2 -	2 WHITE	2 WHITE	2 WHITE	2 BROWN
3 BLUE	3 BLUE	3 BLUE	3 BLUE	3 GREEN
4 BLACK	4 BLACK	4 BLACK	4 BLACK	4 YELLOW
5 -	5 -	5 GREY	5 GREEN/YELLOW	5 GREY
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

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
ITEM	DESCRIPTION	MATERIAL	FINISH

ENTER DESCRIPTION EC NO: IPG2015-1060 DRAWN BY FSCHAFHAUSER 2014/12/03 CHK'D BY SILLER 2014/12/04 APPR: CBURGER 2014/12/05		DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 	
						DRAWN BY DATE		TITLE CSE M12 XP AC FE STR MA STR XM DE UNSH			
						CHECKED BY DATE					
						APPROVED BY DATE		molex			
						MATERIAL NO.					
4		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-120065-078		1 OF 3	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

10 9 8 7 6 5 4 3 2 1

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	0.34mm²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE
B42 5P								
B41 8P	0.25mm²	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 DRWN:FSCHAFHAUSER 2014/12/03 CHKD:RSILLER 2014/12/04 APPR:CBURGER 2014/12/05	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	DOCUMENT NO. molex SD-120065-078				
					2 PLACES	± 0.05	± ---	PMERUNKA	2014/07/01					
					1 PLACE	± 0.30	± ---	APPROVED BY	DATE				SHEET NO. 2 OF 3	
					0 PLACE	± 0.50	± ---	CBURGER	2014/08/25					
					ANGULAR ± 1 °			MATERIAL NO.						
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE						
								SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

9 8 7 6 5 4 3 2 1

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

4

QUALITY SYMBOLS

=0

=0

DESCRIPTION

REV

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

MM ONLY

DRAWN BY	DATE
FSCHAFHAUSER	2014/03/10
CHECKED BY	DATE
PMERUNKA	2014/07/01
APPROVED BY	DATE
CBURGER	2014/08/25

MATERIAL NO.

SEE TABLE

SIZE

A3

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SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

CSE M12 XP AC FE STR
MA STR XM DE UNSH



DOCUMENT NO.

SD-120065-078

SHEET NO.

3 OF 3