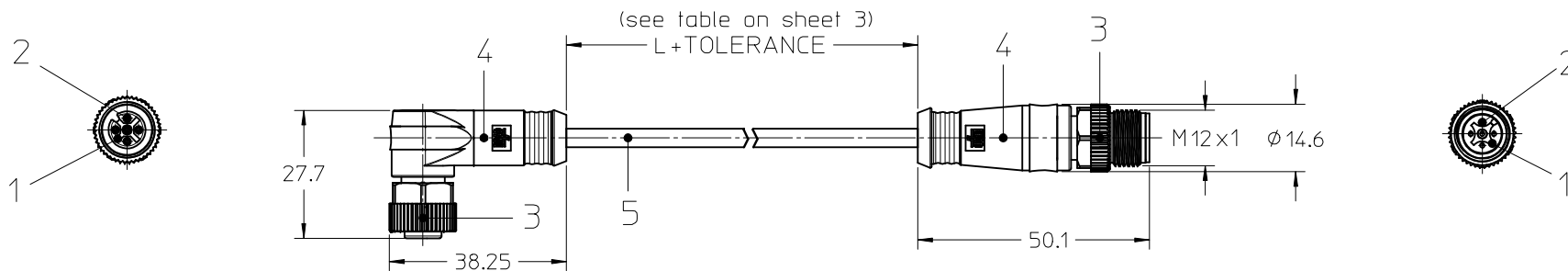


FEMALE M12 RIGHTANGLE TO MALE M12 STRAIGHT CORDSET



NOTES:

TEMPERATURE RANGE	-25°C TO +85°C
TEMPERATURE RANGE CABLE	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

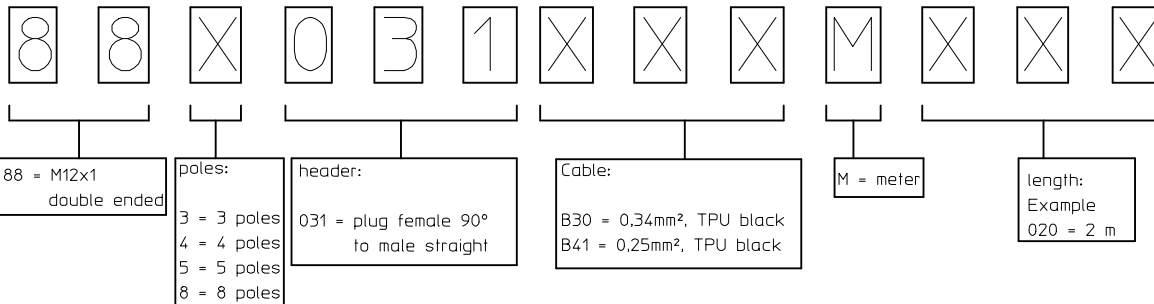
≤ 1m	± 10mm
1m - 5m	± 25mm
5m - 10m	± 30mm
> 10m	± 30mm
> 20m	± 50mm

3 WIRE	4 WIRE	5 WIRE	8 WIRE
PIN # WIRE 1 BROWN 2 - 3 BLUE 4 BLACK 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 -	PIN # WIRE 1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREEN/YELLOW	PIN # WIRE 1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED
REQUIRED TO IEC 60947-5-2			REQUIRED TO DIN 47100

ITEM	PART	MATERIAL	FINISH
5	CABLE	SEE TABLE (SHEET 2)	---
4	OVERMOLDING	TPU	BLACK
3	FE+MA COUPLING NUT	BRASS	Ni PLATED
2	PIN CONTACT	BRASS	GOLD PLATED
1	INSERT	PA	BLACK

ENTER DESCRIPTION EC NO: IPG2014-1727 DRW:NFSCHAFHAUSER 2014/04/22 CHKD:PMERUNKA 2014/07/01 APPR:CBURGER 2014/08/25	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.05</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.30</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± 0.50</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.05	± ---	1 PLACE	± 0.30	± ---	0 PLACE	± 0.50	± ---	DIMENSION STYLE MM ONLY DRAWN BY: FSCSHAFHAUSER 2014/04/22 CHECKED BY: PMERUNKA 2014/07/01 APPROVED BY: CBURGER 2014/08/25	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	TITLE CSE M12 XP AC FE RA MA STR XM DE UNSH																					
SIZE A3		SEE TABLE		DOCUMENT NO. SD-120065-079		SHEET NO. 1 OF 3																		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

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	0.34mm ²	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	0.25mm ²	TPU black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE

ENTER DESCRIPTION EC NO: IPG2014-1727 DRW:FSCHAFHAUSER 2014/04/22 CHKD:PMERUNKA 2014/07/01 APPR:CBURGER 2014/08/25	DESCRIPTION 1	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▼=0 ◻=0	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.30 ± --- 0 PLACE ± 0.50 ± ---	MM ONLY	1:1	METRIC	DRAWN BY DATE FSCHAFHAUSER 2014/04/22 CHECKED BY DATE PMERUNKA 2014/07/01 APPROVED BY DATE CBURGER 2014/08/25	TITLE
			ANGULAR ± 1 °	SEE TABLE			CSE M12 XP AC FE RA MA STR XM DE UNSH	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				molex DOCUMENT NO. SD-120065-079	
								SHEET NO. 2 OF 3

PART LIST

PART NUMBER	NUMERICAL CODE	CABLE LENGTH "L" IN M
1200668877	883031B30M006	0.6M
1200668878	883031B30M010	1M
1200668879	883031B30M020	2M
1200668880	883031B30M030	3M
1200668881	883031B30M050	5M
1200668882	883031B30M100	10M
1200668829	884031B30M006	0.6M
1200668830	884031B30M010	1M
1200668831	884031B30M020	2M
1200668832	884031B30M030	3M
1200668833	884031B30M050	5M
1200668834	884031B30M100	10M
1200668835	885031B30M006	0.6M
1200668836	885031B30M010	1M
1200668837	885031B30M020	2M
1200668838	885031B30M030	3M
1200668839	885031B30M050	5M
1200668840	885031B30M100	10M
1200668883	888031B41M006	0.6M
1200668884	888031B41M010	1M
1200668885	888031B41M020	2M
1200668886	888031B41M030	3M
1200668887	888031B41M050	5M
1200668888	888031B41M100	10M

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		CHECKED BY: PMERUNKA DATE: 2014/07/01																							
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		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-120065-079																						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SHEET NO. 3 OF 3																						
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