

PART No MATRIX

8 8 4 A 3 1 B 3 0 M X X X X X

88 = M12x1
Double ended

Poles:
4 = 4 Poles

Heads style:
A31 = ILS plug Male
2x plug Female 90°

Cable:
B30 = 0.34mm² TPU Black

Units:
M = Meter

Length
Examples:
005 = 0.5 m
010 = 1 m
020 = 2 m
050 = 5 m
100 = 10 m
150 = 15 m
200 = 20 m

Coupling nut:
Blank = KNU
7 = Teflon
H = 2 pcs of I/D CARRIER

CABLE SPECIFICATION

CABLE TYPE	WIRES No	WIRE GAUAGE	CABLE JACKET	UL	CSA	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	DRAG CHAIN	OTHER INFORMATION
B30	3	0.34mm ²	TPU BASED BLACK	STYLE 21215	YES	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 MILLION CYCLES, AT 25°C	WELD SLAG RESISTANCE

BOM

16		LABEL	VINYL	YELLOW
15	-	HEAT-SHRINK	-	CLEAR
14	1	INSERT M12 MALE 4P	PUR	BLACK
13	1	NUT M12 MALE	BRASS	NICKEL
12	1	CENTRE SPACER	-	GREY
11	4	CONTACT 10 MALE 0.34-0.75	BRASS	GOLD OVER NICKEL
10	-	CHEMLOK	-	-
9	1	LABEL;B B-500 WMB	-	BLACK
8	1	LABEL;A B-500 WMA	-	BLACK
7	2	M12 MALE COUPLING NUT	BRASS	NICKEL
6	2	M12 INSERT 3P FEMALE	PUR	BLACK
5	2	GASKET	FPM	RED
4	6	CONTACT 10 FEMALE	BRASS	GOLD OVER NICKEL
3	-	MOULDING MATERIAL	PVC	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 3X0.34mm ²	TPU	BK
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

PART LIST

MOLEX PN	ENGINEERING No		L + TOL.
1200688189	884A31B30M006		600+40
1200688190	884A31B30M010		1000+60
1200688191	884A31B30M020		2000+60
1200688192	884A31B30M050		5000+60
DOCUMENT STATUS	P1	RELEASE DATE	2018/11/07 11:11:48

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
<											

PART LIST

MOLEX PN	ENGINEERING No.	CABLE LENGTH "L" IN M
1200688189	884A31B30M006	0.6M
1200688190	884A31B30M010	1M
1200688191	884A31B30M020	2M
1200688192	884A31B30M050	5M

NUMERICAL CODE (Available parts see PART LIST table. If others on request.)

8

8

4

A

3

1

X

X

X

M

X

X

X

88 = M12x1 double ended

Poles:
4 = 4 poles

Header:
A31 = ILS plug male
2x plug Female 90°

Cable:
B30 = 0,34mm², TPU black

M = meter

Length:
 Example
 010 = 1 m
 020 = 2 m
 050 = 5 m
 100 = 10 m
 150 = 15 m
 200 = 20 m
 250 = 25 m
 300 = 30 m

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	other information
B30 3P	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

For Raw Cable Specification see SD-120209-001

Changed overmold color YE->BK EC NO: IPG2015-2069 DRWN: JMARSZALEK 2015/06/03 CHKD: APAMIAK01 2015/06/03 APPR: MIWASIECZKO 2015/06/03	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ⊙ ◻					
				mm	INCH	DRAWN BY JMARSZALEK	DATE 2014/11/15	TITLE ILS M12 M12 4P AC MA TPU 4P AC FE RA XM DE						
			4 PLACES	± ---	± ---	CHECKED BY FGAIK	DATE 2014/11/15							
			3 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO		DATE 2015/06/03	molex SD-120068-001 2 OF 2					
			2 PLACES	± ---	± ---	MATERIAL NO.		DOCUMENT NO.						SHEET NO.
			1 PLACE	± ---	± ---	SEE PART LIST		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			0 PLACE	± ---	± ---	SIZE A3								
			ANGULAR ± ---°											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											