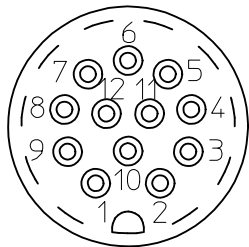


M12 12 POLE FEMALE



VIEW FROM THE WIRES SIDE

Pin	Wire color
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VIOLET
11	GRAY/PINK
12	RED/BLUE

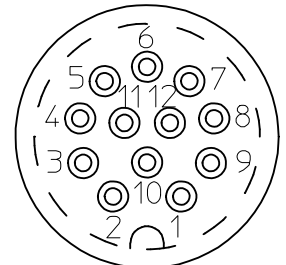
PART No MATRIX

8	8	C	0	3	0	H	4	5	M	X	X	X	X	X
8-Micro Change M12 Double Ended		No. of Poles C=12 Poles		030=Female/Male Straight		Cable Type H45 - PUR Black 12x0,14mm ² UL/CSA <div>1</div>			Unit M=Metres F=Feet T=10xMetres	Length M020=2 METRES M050=5 METRES M200=20 METRES T100=100 METRES			Coupling Nut Material Blank=Standard 1=Stainless Steel 5=Delrin 7=Teflon Coated H=2 pieces of I/D Carrier	
Molding color Blank= Black (Standard) PUR A=Gray Y=Yellow														

Table of length tolerances

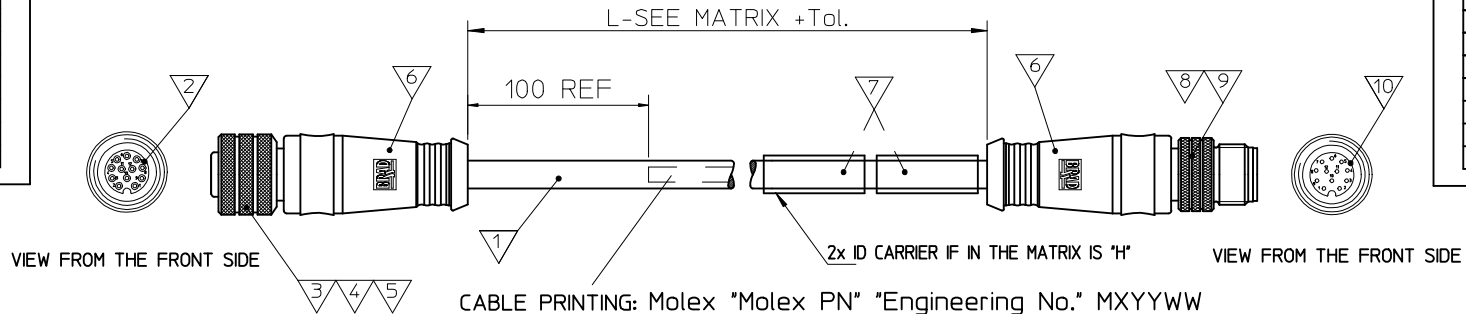
Over	Up to and including	Tolerance (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of length

M12 12 POLE MALE




VIEW FROM THE WIRES SIDE

Pin	Wire color
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VIOLET
11	GRAY/PINK
12	RED/BLUE



Bill of Materials

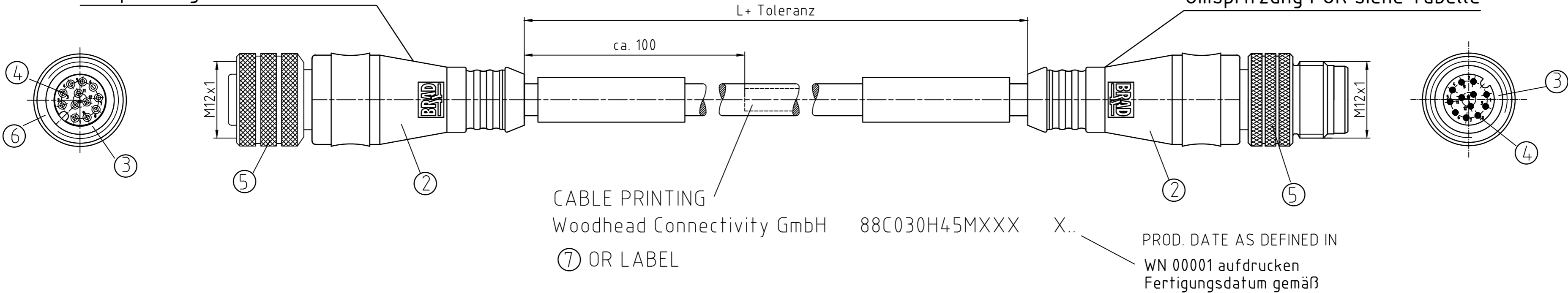
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
10	1	INSERT M12 12P MALE	ULTRAMID	BLACK
9	12	CONTACT MALE	CuZn38Pb2	Cu/Ni Au0.5
8	1	COUPLING NUT MALE M12	SEE MATRIX	SEE MATRIX
7	-	ID CARRIER	SEE MATRIX	SEE MATRIX
6	-	MOLDING MATERIAL	SEE MATRIX	SEE MATRIX
5	1	O-RING	FPM	RED
4	12	CONTACT FEMALE	CuZn38Pb2	Cu/Ni2 AuCo0.6
3	1	COUPLING NUT FEMALE M12	SEE MATRIX	SEE MATRIX
2	1	INSERT M12 12P FEMALE	ELASTOLLAN	BLACK
1	-	CABLE 12x0,14 mm ²	PUR	BLACK

ORIGINAL RELEASE EC NO: IPG2016-0383 DRWN:AKONDRACIU 2015/09/09 CHKD:MMAJGAT 2015/09/09 APPR:MIWASIECZKO 2015/09/29	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm	INCH	DRAWN BY AKONDRACIU	DATE 2015/09/09	TITLE CSE M12 M12 12P AC FE STR PUR MA STR XM DE UNSH BK BRA AU				
				± ---	± ---	CHECKED BY	DATE					
				± ---	± ---	MMAJGAT	2015/09/09					
				± ---	± ---	APPROVED BY	DATE	molex				
				± ---	± ---	MIWASIECZKO	2015/09/29					
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE MATRIX		SD-120066-060		1 OF 1						

A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

Overmold PUR see Table
Umspritzung PUR siehe Tabelle

Overmold PUR see Table
Umspritzung PUR siehe Tabelle



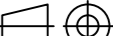
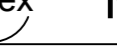
SAP-Nummer	Engineering Nr.:	Umspritzungsfarbe	Länge
SAP-Number		Overmold Color	Length
1200665404	88C030H45M010	black	1M
1200665067	88C030H45M050	black	5M

CONNECTOR SPECIFICATION:

VOLTAGE RATING	30 V AC/DC
AMPERAGE RATING	1.5A
PROTECTION	IP67
OPERATING TEMPERATURE	-25°C TO 90°C
RATED IMPULSE	0,8kV
INSULATION RESISTANCE	>100 MOhm

ITEM	COMPONENT	MATERIAL	FINISH
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	SOCKET/PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	TPE	SEE TABLE
1	CABLE26/12 AWG (COPPER STRANDING) 12 CONDUCT. 300V	TPE	BLACK

MALE FACE VIEW	FEMALE FACE VIEW
12-POLE	12-POLE
WIRING DIAGRAM	WIRING DIAGRAM
1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED 9 BLACK 10 VIOLET 11 GREY/PINK 12 RED/BLUE	1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED 9 BLACK 10 VIOLET 11 GREY/PINK 12 RED/BLUE

DESCRIPTION EC NO: IPG2014-2010 DRWN: RSCHIEBE CHKD: AFOHL APPR: CBURGER	2014/05/21 ----- 2010/03/01	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 FIRST ANGLE PROJECTION	
			<div>▽ = 0</div> <div>▽C = 0</div>			MM		2:1	METRIC		
					mm	INCH	DRAWN BY	DATE	CSE M12 M12 12P FE STR PUR MA STR XM DE BK BRA AU		
				4 PLACES	± ---	± ---	LS	2008/07/23			
				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED		
				2 PLACES	± 0.05	± ---	FP	2010/02/25			
				1 PLACE	± 0.1	± ---	APPROVED BY	DATE			
	ANGULAR ± --- °		FPACHER	2010/03/01							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
see table			SD-88C030H45MXXX		1 OF 1						
A	REV			SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						