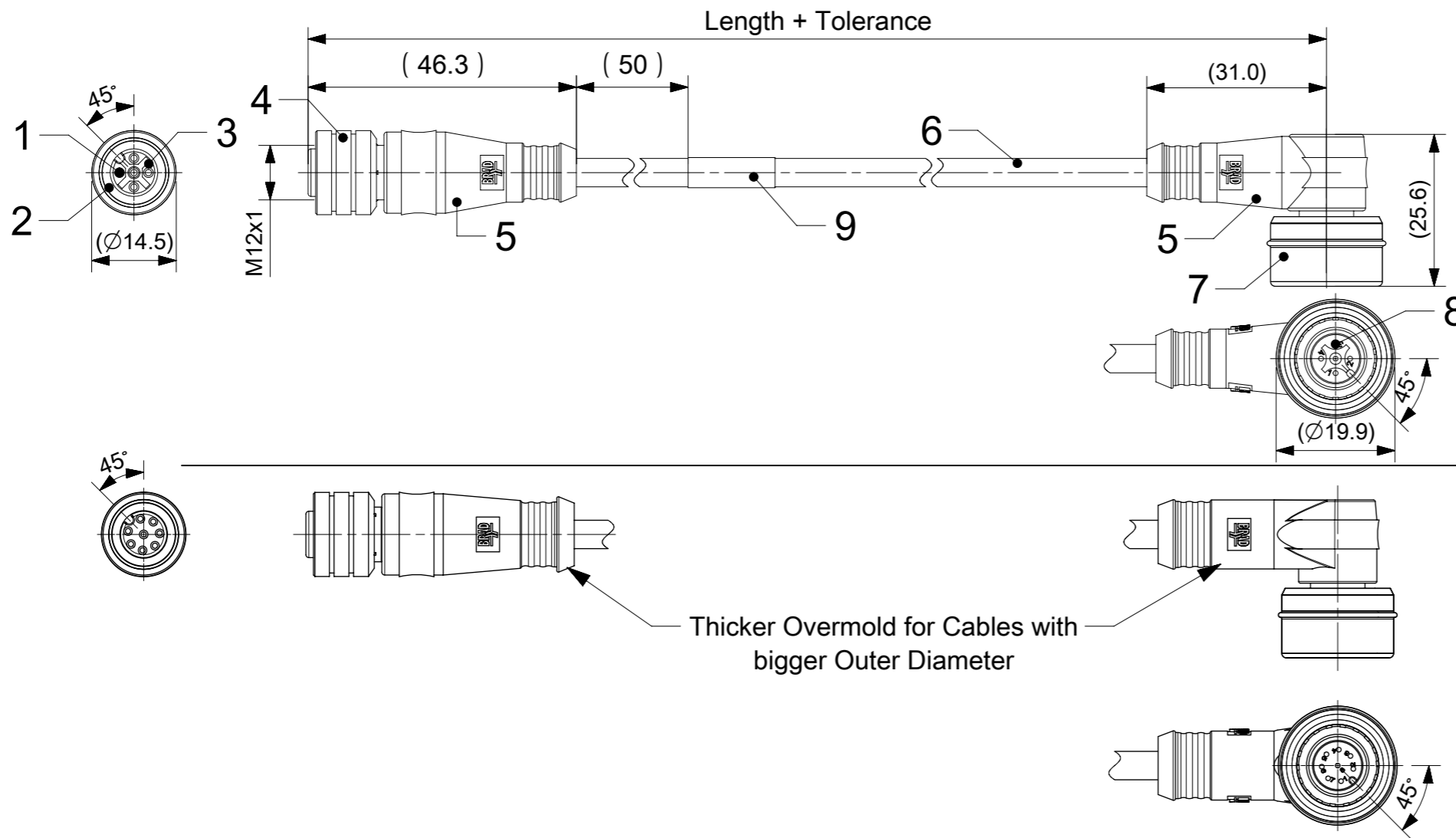


# FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT

**NOTES:**  
 RATED VOLTAGE: 3, 4 contacts 250V  
 5 contacts 60V  
 8 contacts 30V  
 RATED CURRENT: 3, 4, 5 contacts 4A  
 8 contacts 2A  
 PROTECTION CLASS: IP 67/68/69K  
 TEMPERATURE: -25°C / +85°C



## CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREY
							6	PINK
							7	BLUE
						8	RED	

CODING REQUIRED TO IEC 61076-2-101

## FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
9	1	WRAP LABEL YELLOW	VINYL	---
8	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE Au OVER Ni
7	1	ULTRA M12 XP MALE	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE Au OVER Ni

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FV = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		
	DIMENSION UNITS	SCALE	 CSE U12 M12 XP AC FE STR MA RA XM PRODUCT CUSTOMER DRAWING		
	mm	1:1			
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
ANGULAR TOL ± °					
DIVISIONAL SYMBOLS	4 PLACES ±	EC NO: 698441	2021/10/01		
	3 PLACES ±	DRWN: SSM	2022/03/08		
	2 PLACES ±	CHK'D: RSILLER	2022/03/08		
	1 PLACE ±	APPR: RSILLER	2022/03/08		
0 PLACES ±	INITIAL REVISION:	DOCUMENT NUMBER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: AKONDRACIUK	2017/06/03		
THIRD ANGLE PROJECTION		APPR: MIWASIECZKO	2017/06/07		
DRAWING		SERIES	MATERIAL NUMBER	CUSTOMER	
A3-SIZE		120080	SEE PART LIST	GENERAL MARKET	
SHEET NUMBER		1 OF 2			

**ENGINEERING NO. - NUMERICAL CODE** (Available parts see PART LIST table. Other parts available upon request).

**OPTIONS**

**8 W X 0 3 2 X X X X X X X X**

8W=M12 Standard  
M12 Ultra-Lock  
Double ended

Contacts:  
3=3 Contacts  
4=4 Contacts  
5=5 Contacts  
8=8 Contacts

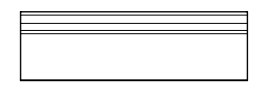
Heads style:  
032=Plug Female Straight  
to Plug Male 90°

Cable type: See Table

Units:  
M=Meter  
C=Centimeter

Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 units

Overmold color:  
Blank (Standard)=Black  
A=Grey / G=Black / Y=Yellow  
  
H= 2 pcs. of I/D Carrier PVC Transparent



**CABLE INFORMATION** (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
P02	3 / 4 / 5 / 8	0.25mm <sup>2</sup>	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm <sup>2</sup>	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-

**CABLE LENGTH TOLERANCES**

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

**PART LIST**

No	Part No	Engineering No	Cable Length
1	1200808045	8W5032P03M010G	1m
2	1200808135	8W8032P02M015	1.5m
3	1200808159	8W8032P02M025	2.5m
4	1200808018	8W4032P03M020	2m
5	1200808019	8W4032P03M006	0.6m
6	1200808020	8W4032P03M010	1m
7	1200808021	8W4032P03M050	5m

<b>FUNCTIONAL SYMBOLS</b> ∇ <sub>A</sub> = 0 ∇ <sub>E</sub> = 0 ∇ <sub>V</sub> = 0 <b>DIVISIONAL SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>1:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC: EC NO: 698441 DRWN: SSM CHK'D: RSILLER APPR: RSILLER INITIAL REVISION: DRWN: AKONDRACIUK APPR: MIWASIECZKO	2021/10/01 2022/03/08 2022/03/08 2017/06/03 2017/06/07	 CSE U12 M12 XP AC FE STR MA RA XM PRODUCT CUSTOMER DRAWING
	DOCUMENT NUMBER: <b>1200808045</b> DOC TYPE: PSD DOC PART: 000 REVISION: A1		MATERIAL NUMBER: SEE PART LIST CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2	
	THIRD ANGLE PROJECTION 	DRAWING: <b>A3-SIZE</b> SERIES: <b>120080</b>	CUSTOMER: GENERAL MARKET	