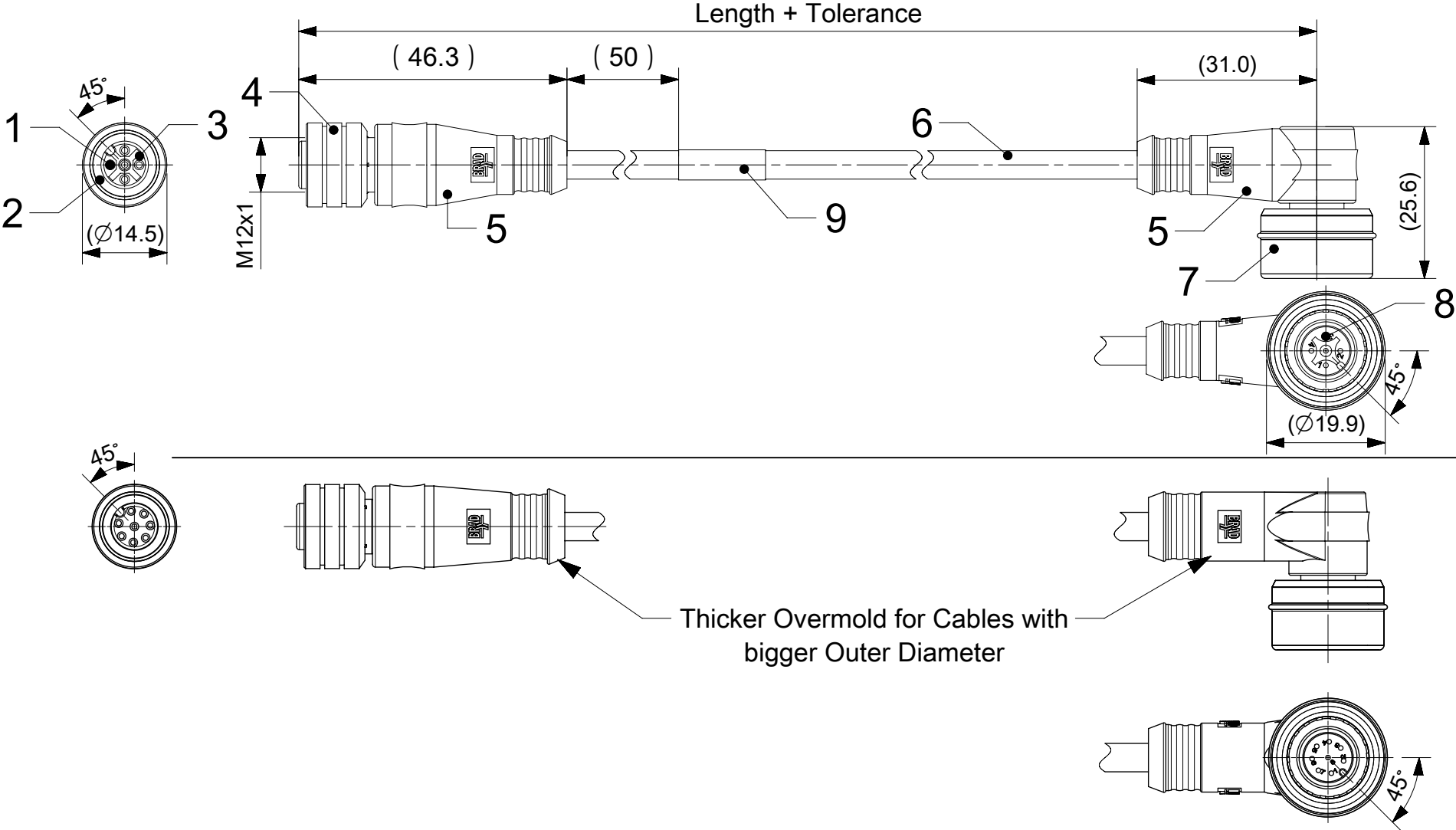


FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT

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
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

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
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC:		molex	CSE U12 M12 XP AC FE STR MA RA XM	PRODUCT CUSTOMER DRAWING	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
		mm		1:1										
		GENERAL TOLERANCES (UNLESS SPECIFIED)												
		ANGULAR TOL ± °												
		4 PLACES ±												
		3 PLACES ±												
		2 PLACES ±												
		1 PLACE ±												
		0 PLACES ±												
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION										
		A3-SIZE	120080	SEE PART LIST	GENERAL MARKET	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°
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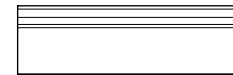
Cable type: See Table

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).

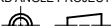
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
P02	3 / 4 / 5 / 8	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.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

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

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/08	15:22:52
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