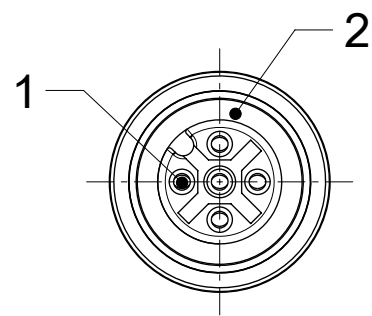


FEMALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V

5 contacts 60V

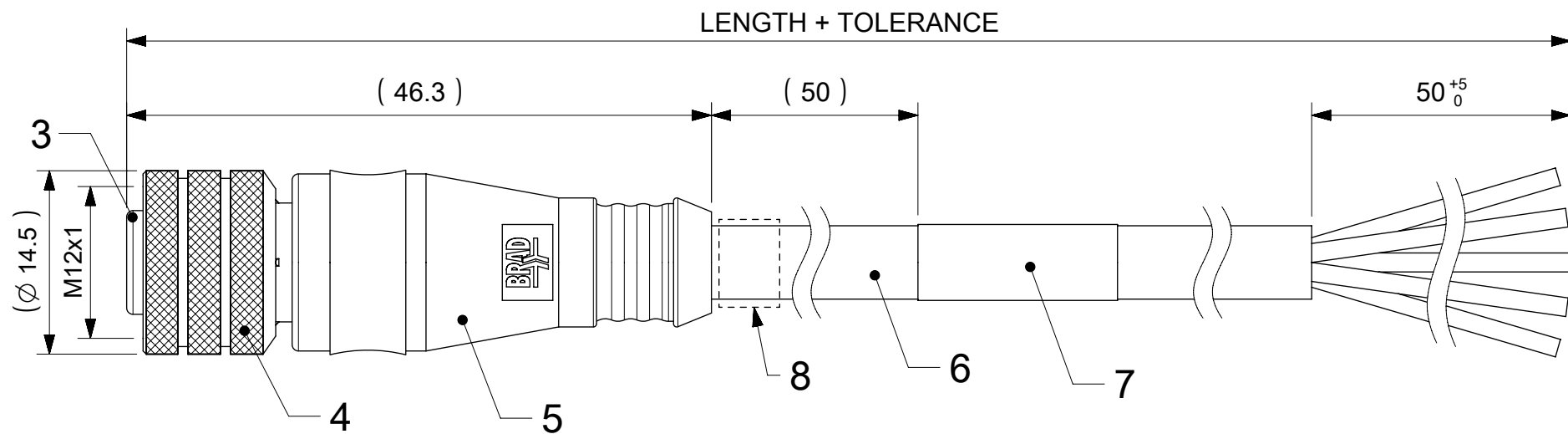
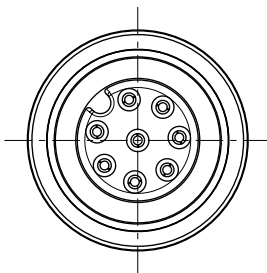
8 contacts 30V

RATED CURRENT: 3, 4, 5 contacts 4A

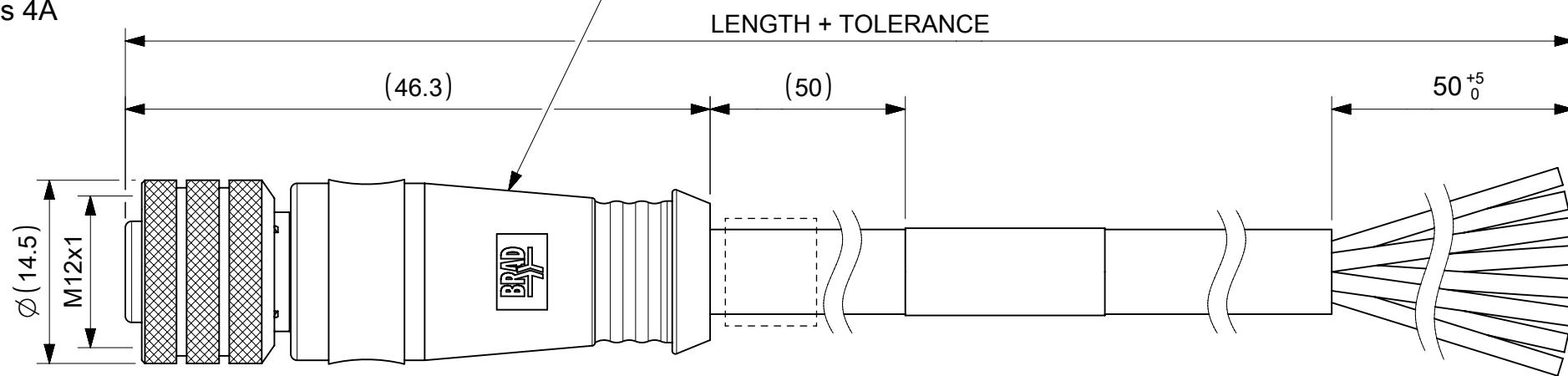
8 contacts 2A

PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +85°C



Thicker Overmold for Cables with bigger Outer Diameter



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
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

8	SEE MATRIX	ID CARRIER	PVC	TRANSPARENT
7	1	LABEL YELLOW	VINYL	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING	TPU	SEE PART LIST
4	1	COUPLING NUT FEMALE	SEE PART LIST	SEE PART LIST
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER Ni
	8		BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FE = 0 DIVISIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED P/N 1200658191 AS PER PCN#516775.				molex											
		mm		2:1																	
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 823996 DRWN: ANIKES1 2025/05/30 CHK'D: GGA 2025/05/30 APPR: GGA 2025/05/30				CSE M12 XP AC FE STR XM SE UNSH											
		ANGULAR TOL ± 1.0°																			
		4 PLACES		±																	
		3 PLACES		±		INITIAL REVISION: DRWN: JMARSAZLEK 2016/01/11 APPR: RSILLER 2016/04/08				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
		2 PLACES		± 0.05						1200651978				PSD		000		A13			
		1 PLACE		± 0.3						MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
		0 PLACES		± 0.5																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SEE SHEET 3-4				GENERAL MARKET				1 OF 4			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

OPTIONS

8 0 X 0 0 0 X X X X X X X X X

80=M12x1
Single ended

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

Heads style:
000=Plug Female Straight

Cable type: See Table

Units:
M=Meter

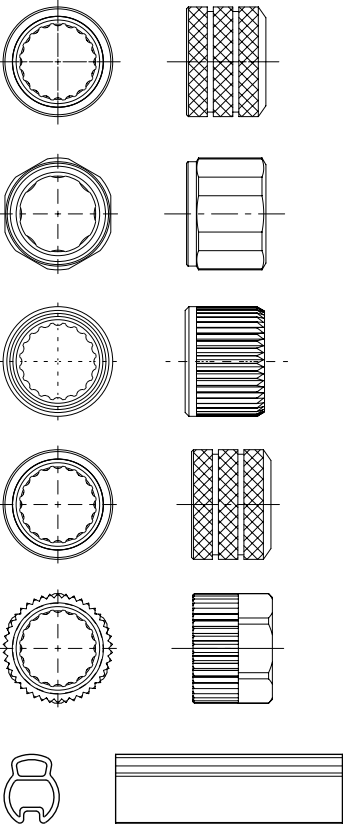
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS

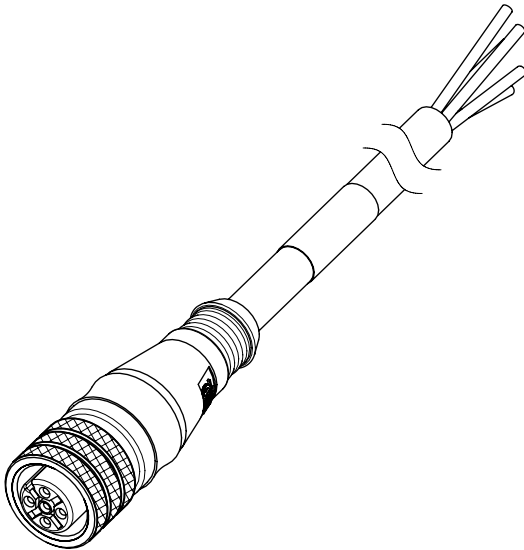


CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	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



SCALE 1:1

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED P/N 1200658191 AS PER PCN#516775.			molex			
√A = 0	mm		1:1								
√E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE STR XM SE UNSH						
√F = 0	ANGULAR TOL ± 1.0 °										
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 823996			2025/05/30			
	3 PLACES		±		DRWN: ANIKES1						
	2 PLACES		± 0.05		CHK'D: GGA						
	1 PLACE		± 0.3		APPR: GGA			2025/05/30			
	0 PLACES		± 0.5		INITIAL REVISION:			2016/01/11			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: JMARSZALEK							
				THIRD ANGLE PROJECTION			2016/04/08				
				⊕		DRAWING		SERIES		DOCUMENT NUMBER	
				A3-SIZE		120065		1200651978		DOC TYPE	
								MATERIAL NUMBER		DOC PART	
								SEE SHEET 3-4		REVISION	
								CUSTOMER		PSD	
								GENERAL MARKET		000	
										A13	
										SHEET NUMBER	
										2 OF 4	

DOCUMENT STATUS	P1	RELEASE DATE	2025/05/30	10:55:41
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F

E

1

CB

A

- A

FE

4

C

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A

