

**M8 male 90° / M12 female 90° A-cod.**

PVC 3x0.25 bk UL/CSA 10m

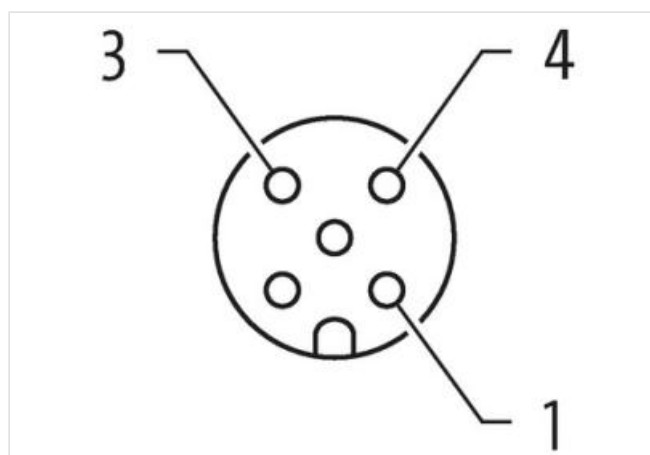
Male 90° – female 90°

M8 – M12, 3-pole

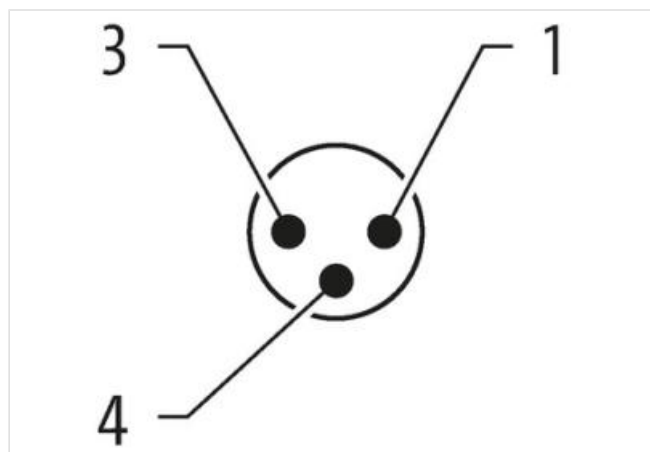
Further cable lengths on request.

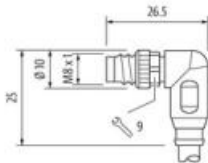
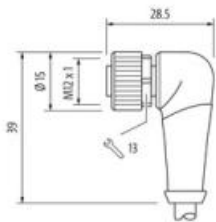
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**

1	BN	1
		2
3	BU	3
4	BK	4





Product may differ from Image



Cable length 10 m

Side 1

Tightening torque 0,4 Nm  
Family construction form M8  
Thread M8 x 1  
suitable for corrugated tube (internal Ø) 6,5 mm  
Width across flats SW9

Side 2

Tightening torque 0,6 Nm  
Family construction form M12  
Thread M12 x 1  
suitable for corrugated tube (internal Ø) 10 mm  
Width across flats SW13

Commercial data

ECLASS-6.0 27061801  
customs tariff number 85444290  
Packaging unit 1

Electrical data | Supply

Operating voltage AC max. 50 V  
Operating voltage DC max. 60 V  
Operating voltage AC (UL-listed) 30 V  
Operating voltage DC (UL-listed) 30 V  
Current operating per contact max. 4 A

Device protection | Electrical

Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K  
Additional condition protection degree inserted, screwed  
Pollution Degree 3  
Rated surge voltage 1,5 kV  
Material group (IEC 60664-1) I

Mechanical data | Material data

Coating locking Nickerled

Material housing	PUR
Locking material	Zinc die-casting
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed, Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
<b>Conformity</b>	
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
<b>Installation   Cable</b>	
Cable identification	610
Cable Type	1
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weighth	29,37 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crossection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A

Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter