

**M12 male 0° / M12 female 0° A-cod. shielded**

PVC 3x0.34 shielded gy UL/CSA 1m

Male straight – female straight

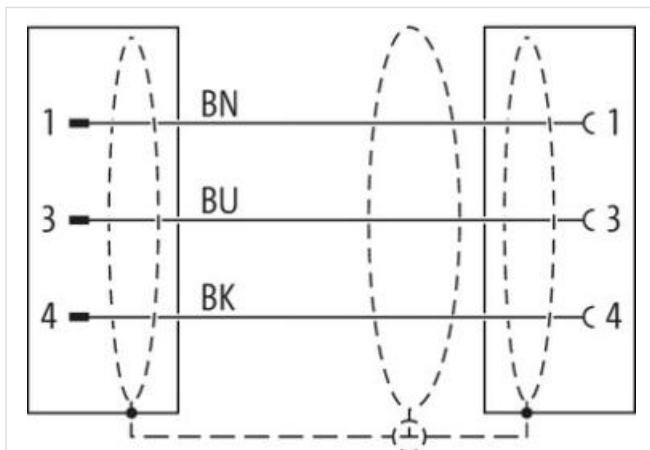
M12 – M12, 3-pole

shielded

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.

Further cable lengths on request.

[Link til artikel](#)**Billede**



Produktet kan afvige fra billedet



Cable length	1 m
<b>Side 1</b>	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

<b>Side 2</b>	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

<b>Commercial data</b>	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879417785
Pakke-enhed	1

<b>Electrical data   Supply</b>	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V

Current operating per contact max. 4 A

#### Installation | Connection

Mounting set M12 x 1

#### Device protection | Electrical

Additional condition protection degree inserted, screwed

Rated surge voltage 1,5 kV

Material group (IEC 60664-1) I

#### Mechanical data | Material data

Coating locking Nickeled

Coating of fitting nickel plated

Locking material Zinc die-casting

Material screw connection Zinc die-casting

#### Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

#### Environmental characteristics | Climatic

Operating temperature min. -25 °C

Operating temperature max. 85 °C

Additional condition temperature range depending on cable quality

#### Important installation notes

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 **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

#### Conformity

Product standard DIN EN 61076-2-101 (M12)

#### Installation | Cable

wire arrangement brown, black, blue

Cable identification 317

Jacket Color gray

Amount stranding 1

Stranding 3 wires twisted

Stranding factor min. 40 mm

Stranding factor max. 40 mm

Cable shielding (type) copper braid, tinned

Cable shielding (coverage) 85 %

Banding Fleece, Foil

wire arrangement brown, black, blue

Cable weight 56,1 g/m

Material jacket PVC

Shore hardness jacket 80 ± 5 Shore A

Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free

Outer-diameter (jacket) 5,9 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PVC

Amount wires 3

Outer diameter insulation 1,4 mm

Outer diameter tolerance core insulation ± 5 %

Shore hardness wire insulation 90 ± 3 Shore A

Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free

Amount strands (wire) 19

Diameter of single wires 0,15 mm

Conductor crosssection (wire) 0,34 mm<sup>2</sup>

Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 $\Omega$ /km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter