

**M12 male 90° A-cod. with cable**

TPE 5x18AWG ye UL/CSA, ITC/PLTC 3.5m

Male 90°

Cable is approved for 600 V

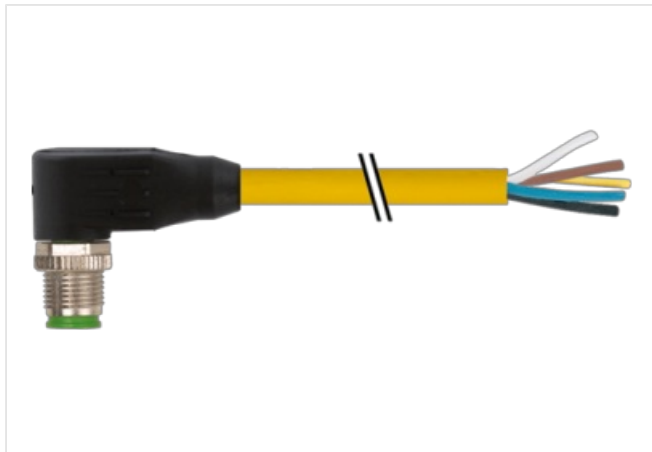
M12, 5-pole

USA

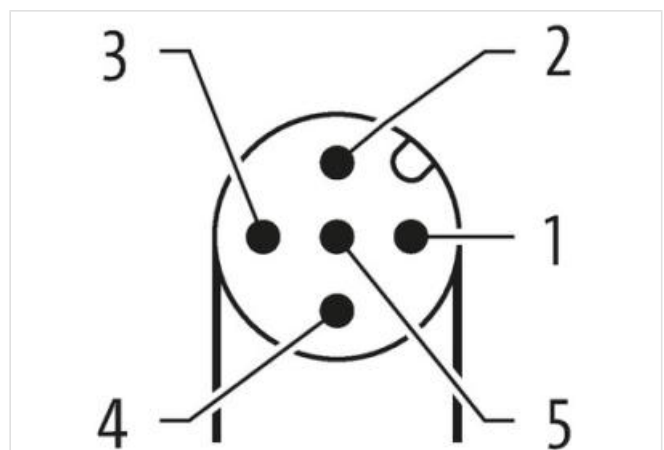
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

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

1	BN
2	WH
3	BU
4	BK
5	GN YE





Product may differ from Image



Cable length	3,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwing
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	angled
Coding	A
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4065909040331
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V

Current operating per contact max. 4 A

#### Installation | Connection

Stripping length (jacket) 20 mm

#### Device protection | Electrical

Pollution Degree 3

Rated surge voltage 1,5 kV

Material group (IEC 60664-1) I

#### Mechanical data | Material data

Coating locking Nickeled

Locking material 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, white, green-yellow

Cable identification 161

Jacket Color yellow

Type of Certificate cURus

Amount stranding 1

Stranding 5 wires around Core filler twisted

Filler yes

wire arrangement brown, black, blue, white, green-yellow

Cable weight 103,4 g/m

Material jacket TPE

Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free

Outer-diameter (jacket) 7,75 mm

Tolerance outer diameter (sheath)  $\pm 5\%$

Material wire insulation PVC

Amount wires 5

Outer diameter insulation 1,93 mm

Outer diameter tolerance core insulation  $\pm 5\%$

Ingredient freeness wire insulation lead-free, CFC-free

Amount strands (wire) 19

Diameter of single wires 18 AWG

Conductor crosssection (wire) 18 AWG

Material conductor wire Stranded copper wire, bare

Nominal voltage AC max. 600 V

Current load capacity (standard) to DIN VDE 0298-4

Current load capacity min. wire 9 A

Electrical resistance line constant wire 22,5  $\Omega$ /km

AC withstand voltage (wire - wire) 4 kV @ 60 s

Power frequency withstand voltage (wire - jacket) 4 kV @ 60 s

Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	105 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °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
No. of bending cycles (C-track)	10 Mio.
No. of torsion cycles	3 Mio.
Torsion stress	± 180 °/m