

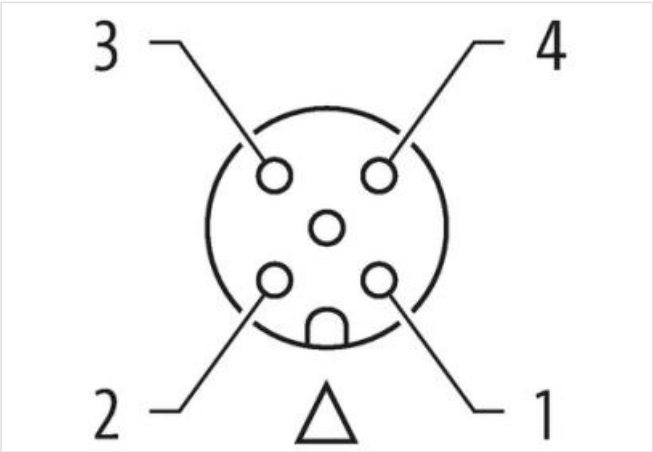
M12 female 0° A-cod. with cable

TPE 4x22AWG ye UL/CSA. ITC/PLTC 10m

Female straight
M12, 4-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



Product may differ from Image



Cable length 10 m

Side 1

Tightening torque 0,6 Nm

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
No. of poles	4
Width across flats	SW13

Side 2

Stripping length (jacket)	20 mm
Family construction form	free cable end

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	4048879746748
Packaging unit	1

Electrical data | Supply

Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A

Diagnostics

Status indication LED	no
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Installation | Connection

Stripping length (jacket)	20 mm
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 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
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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

Cable identification

U04

Jacket Color

yellow

Type of Certificate

cURus

Amount stranding

1

Stranding

4 wires twisted

wire arrangement

brown, black, blue, white

Cable weight

49,5 g/m

Material jacket

TPE

Freedom from ingredients (jacket)

lead-free, CFC-free, halogen-free

Outer-diameter (jacket)

5,36 mm

Tolerance outer diameter (sheath)

± 5 %

Material wire insulation

PVC

Amount wires

4

Outer diameter insulation

1,27 mm

Outer diameter tolerance core insulation

± 5 %

Ingredient freeness wire insulation

lead-free, CFC-free

Amount strands (wire)

19

Diameter of single wires

22 AWG

Conductor crosssection (wire)

22 AWG

Material conductor wire

Stranded copper wire, bare

Nominal voltage AC max.

300 V

Current load capacity (standard)

to DIN VDE 0298-4

Current load capacity min. wire

4,8 A

Electrical resistance line constant wire

46,9 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)

-40 °C

Max. operating temperature (fixed)

105 °C

Operating temperature min. (dynamic)

-20 °C

Operating temperature max. (dynamic)

90 °C

Flame resistance

IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090

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)

5 x Outer diameter

Bending radius (dynamic)

10 x Outer diameter

Travel speed (C-track)

10 Mio.

No. of torsion cycles

3 Mio.

Torsion stress

± 180 °/m