

M12 male 90° / M12 female 0° A-cod.

TPE 3x22AWG ye UL/CSA. ITC/PLTC 10m

Male 90° – female straight

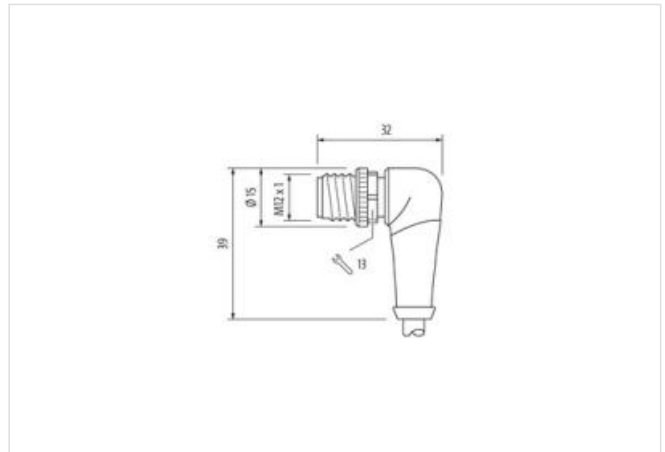
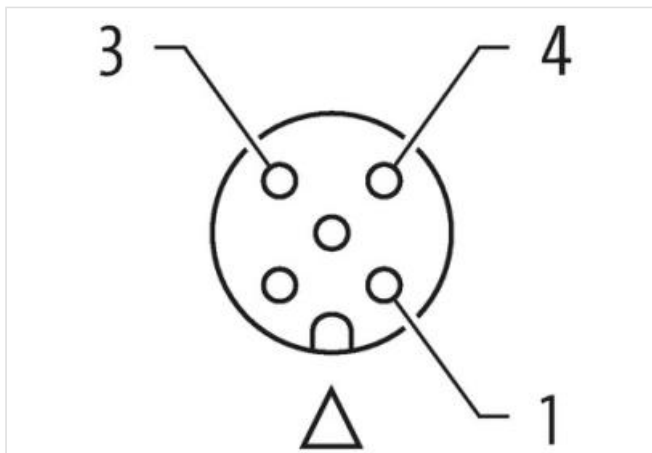
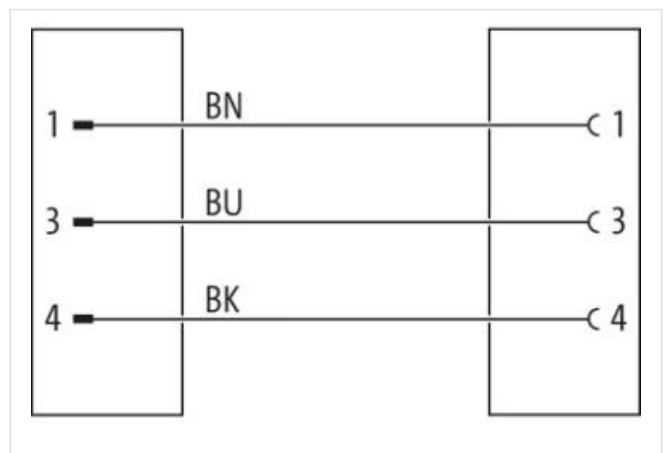
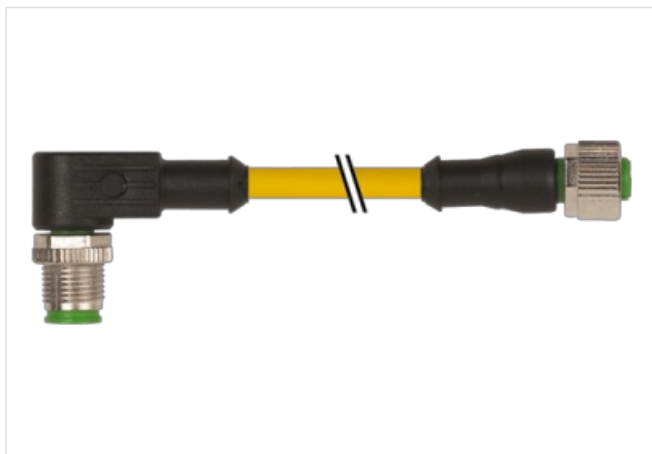
M12 – M12, 3-pole

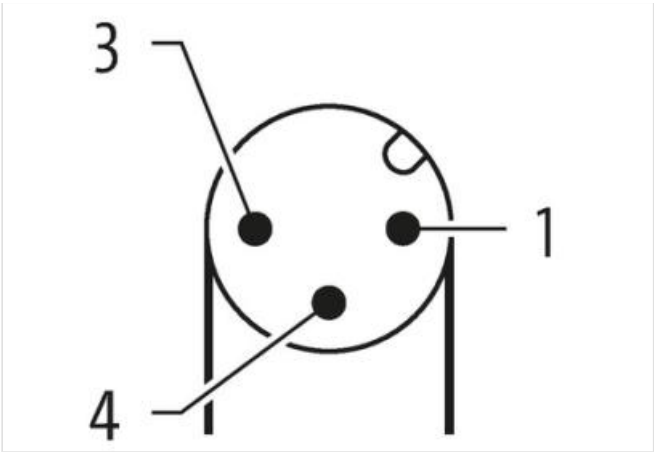
USA

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
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	angled
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290

GTIN	4048879749831
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Packaging unit	1
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Electrical data | Supply

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

Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
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Additional condition protection degree	inserted, screwed
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Pollution Degree	3
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Rated surge voltage	2,5 kV
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

Coating locking	Nickel
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Locking material	Zinc die-casting
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

Cable identification	U03
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Jacket Color	yellow
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Type of Certificate	cURus
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Amount stranding	1
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Stranding	3 wires twisted
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wire arrangement	brown, black, blue
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Cable weight	35,97 g/m
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Material jacket	TPE
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Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
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Outer-diameter (jacket)	4,9 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material wire insulation	PVC
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Amount wires	3
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Outer diameter insulation	1,27 mm
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Outer diameter tolerance core insulation	± 5 %
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Ingredient freeness wire insulation	lead-free, CFC-free
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Amount strands (wire)	19
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Diameter of single wires	22 AWG
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Conductor crosssection (wire)	22 AWG
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Material conductor wire	Stranded copper wire, bare
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Nominal voltage AC max.	300 V
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Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 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	UL 1581 § 1090 UL 1581 § 1100 FT2 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)	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