

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

PUR 2x1.0 shielded gy drag ch. 10m

AS-Interface

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

Further cable lengths on request.

Male straight – female straight
shielded

Male M12

4-pole

2-pole used

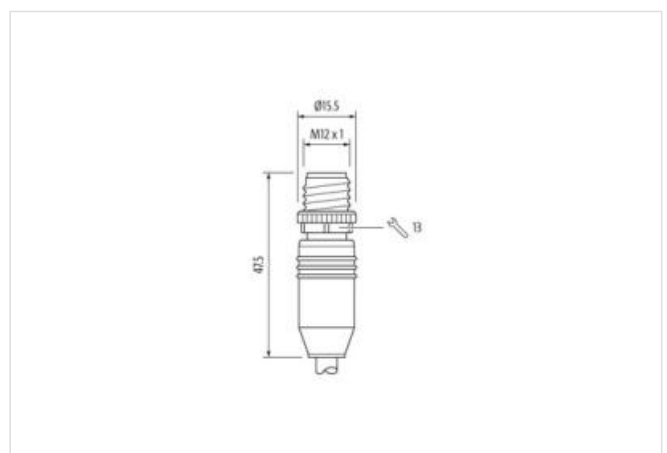
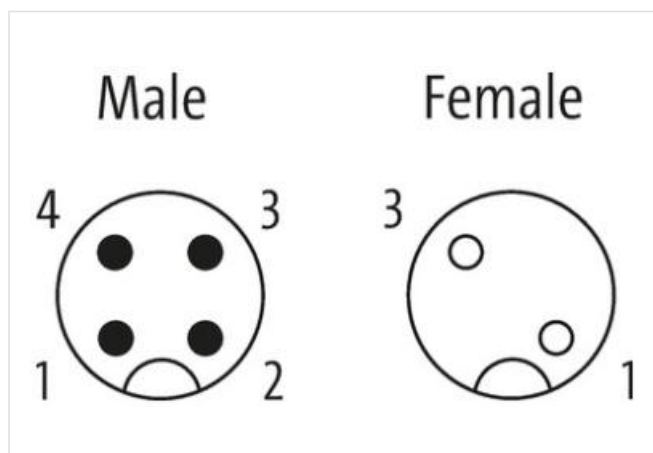
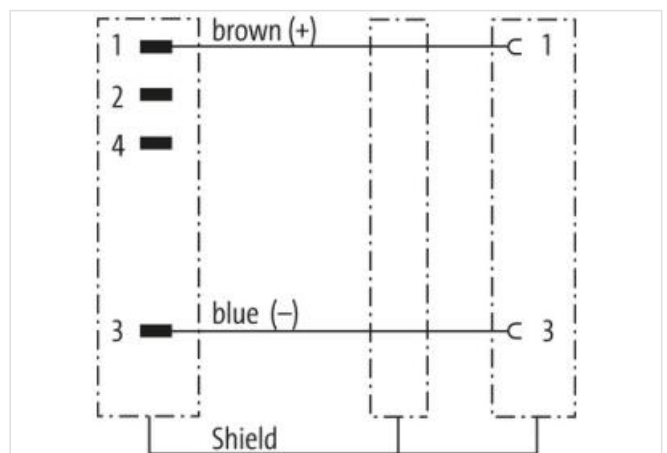
Female M12

2-pole

Plastic housings with good resistance against chemicals and oils.

[Länk till produkt](#)

Illustration





Produkten kan skilja sig från bilden



Cable length 10 m

Side 1

Tightening torque 0,6 Nm

Mounting method inserted, screwed

Family construction form M12

Thread M12 x 1

Coding A

Width across flats SW13

Degree of protection (EN IEC 60529) IP67, IP68

Side 2

Tightening torque 0,6 Nm

Mounting method inserted, screwed

Family construction form M12

Thread M12 x 1

Coding A

Kommersiella uppgifter

ECLASS-6.0 27279218

ECLASS-7.0 27279218

ECLASS-8.0 27279218

ECLASS-9.0 27060311

ECLASS-10.1 27060307

ECLASS-11.1 27060307

ECLASS-12.0 27060307

ETIM-5.0 EC001855

Förpackningsenhet 1

GTIN 4048879534604

Kundens tullnummer 85444290

Electrical data | Supply

Operating voltage AC max. 60 V

Operating voltage DC max. 60 V

Current operating per contact max. 4 A

Diagnostics

Status indication LED no

Device protection | Electrical

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I

Mechanical data | Material data

Coating locking	Nickel
Material housing	PUR
Locking material	Zinc die-casting

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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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.
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)
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Installation | Cable

Cable identification	542
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, blue
Cable weight	82,5 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	2
Outer diameter insulation	2,7 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	55
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	1 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	15 A
Electrical resistance line constant wire	19,5 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 300 s

Power frequency withstand voltage (wire - jacket)	2 kV @ 300 s
AC withstand voltage (wire - shield)	2 kV @ 300 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	60 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	5 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 90 °/m