

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

PUR 2x1.0 shielded gy drag ch. 25m

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

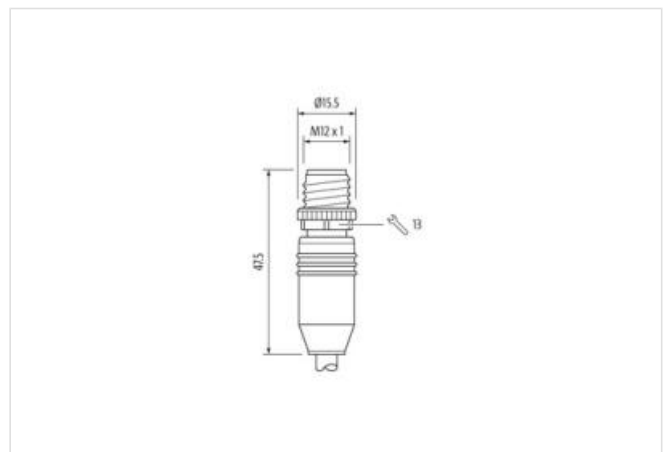
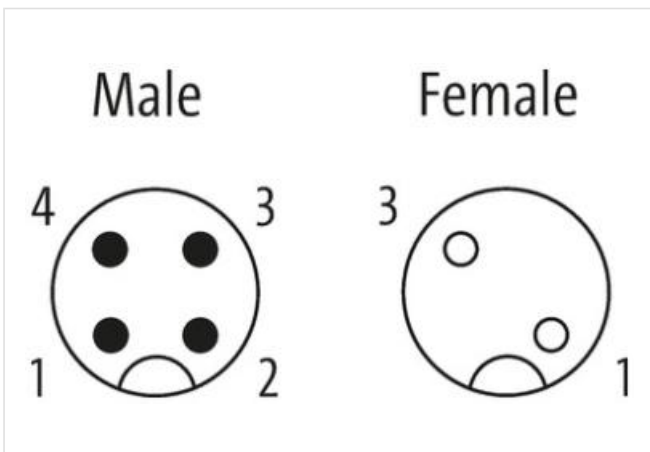
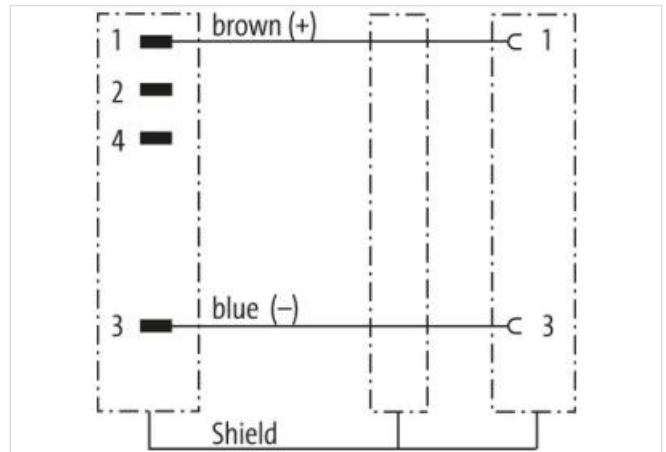
Female M12

2-pole

Plastic housings with good resistance against chemicals and oils.

[Link til produkt](#)

Illustrasjon





Produktet kan avvike fra bildet



Cable length 25 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

Handelsinformasjon

ECLASS-6.0 27279218
 ECLASS-6.1 27060307
 ECLASS-7.0 27060307
 ECLASS-8.0 27060307
 ECLASS-9.0 27060307
 ECLASS-10.1 27060307
 ECLASS-11.1 27060307
 ECLASS-12.0 27060307
 ETIM-5.0 EC001855
 GTIN 4065909048856
 Pakkestørrelse 1
 Tolltariffnummer 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	Nickeled
Material housing	PUR
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
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, blue
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
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
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	± 90 °/m
Torsion speed	35 cycles/min