

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

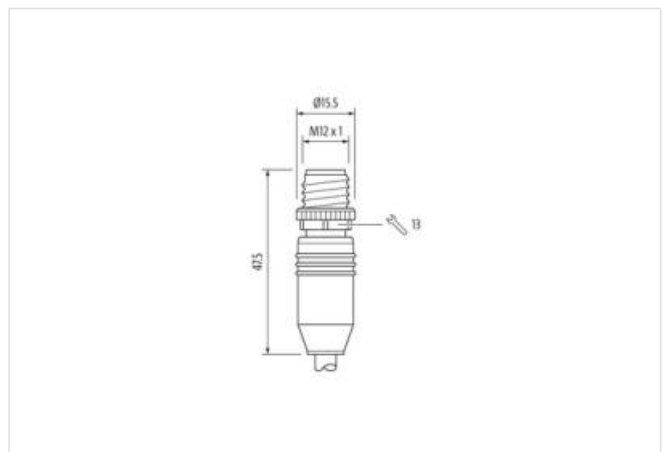
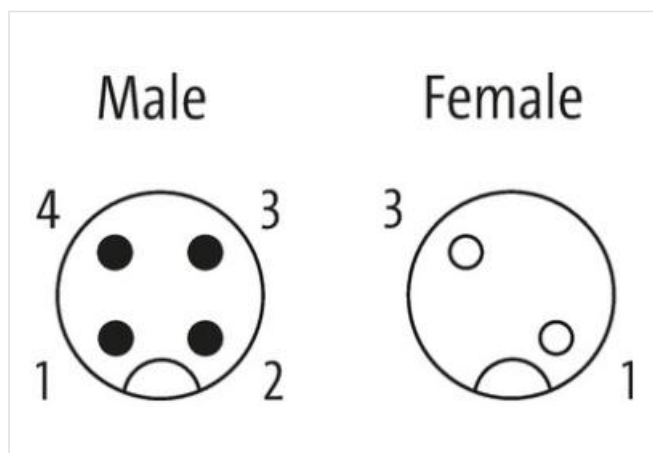
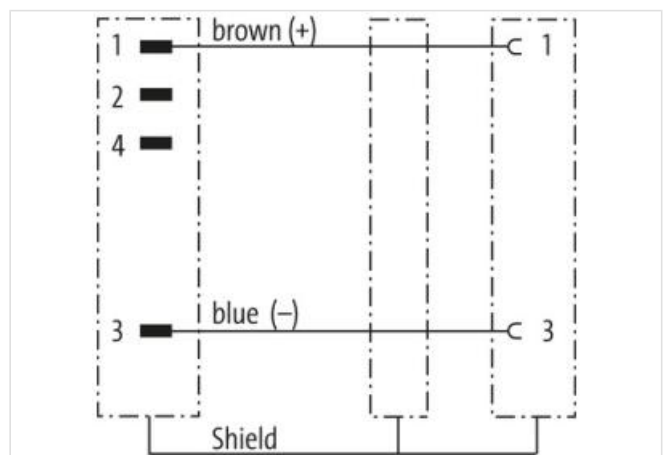
4-pole

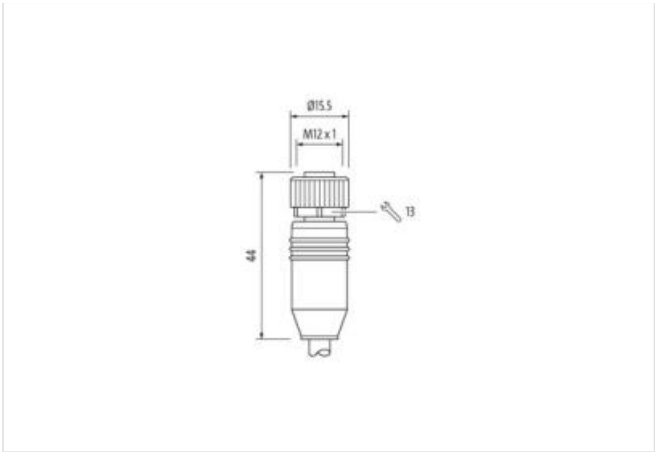
2-pole used

Female M12

2-pole

Plastic housings with good resistance against chemicals and oils.

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



Product may differ from Image



| | |
|-------------------------------------|--------------------|
| Cable length | 10 m |
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwing |
| 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, screwing |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Commercial data | |
| 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 |
| customs tariff number | 85444290 |
| GTIN | 4048879534604 |
| Packaging unit | 1 |
| 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 |
|-----------------|---------------------------------------|

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 |