

M12 male 0° / M12 female 0° A-cod. shielded F&B

PVC 0.5+0.25 shielded gy 2.5m

F&B

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

Further cable lengths on request.

Cube67

Male straight – female straight

M12 – M12, 6-pole

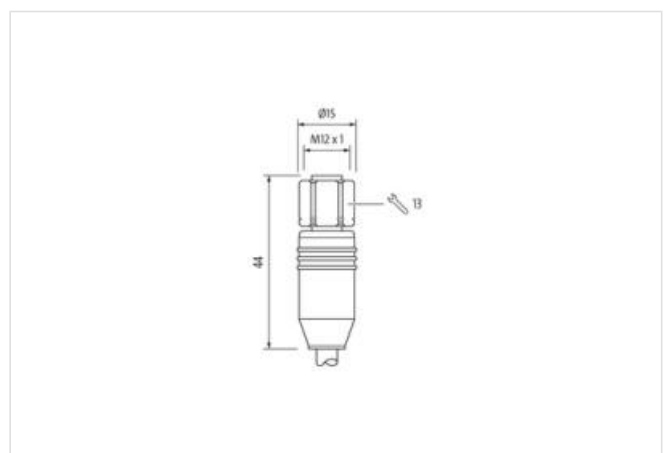
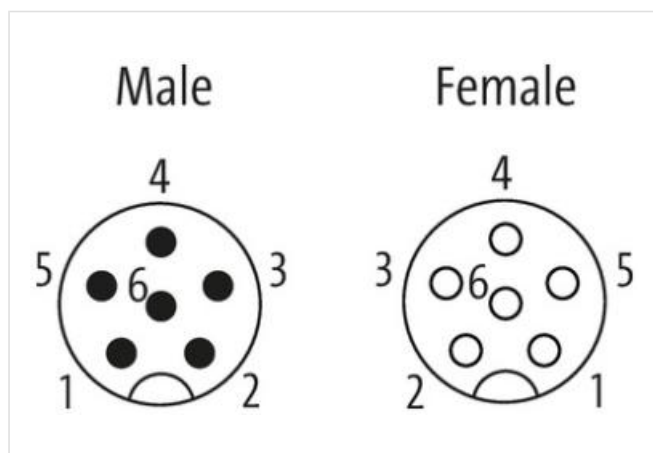
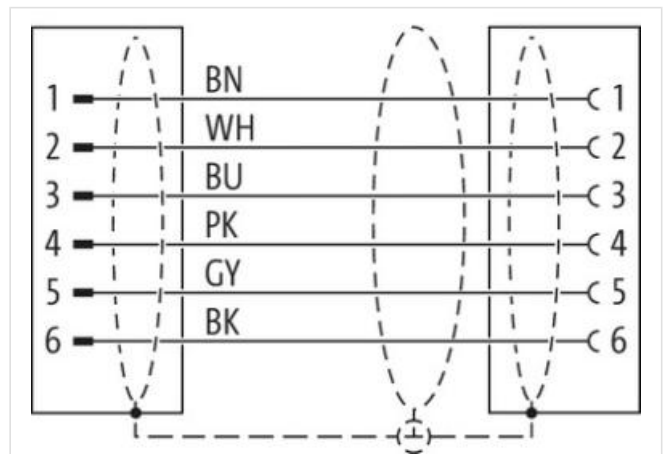
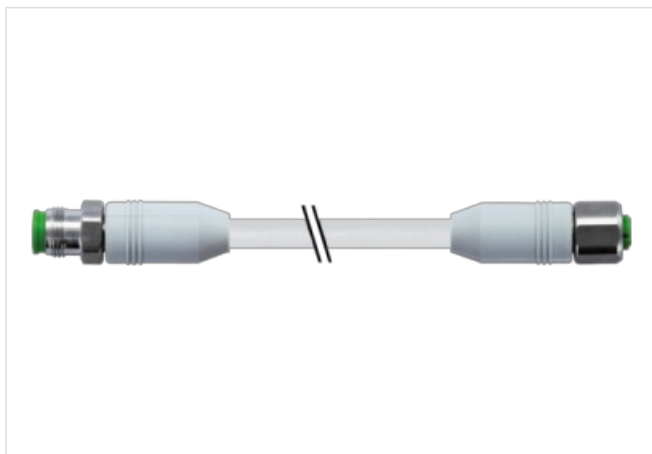
shielded

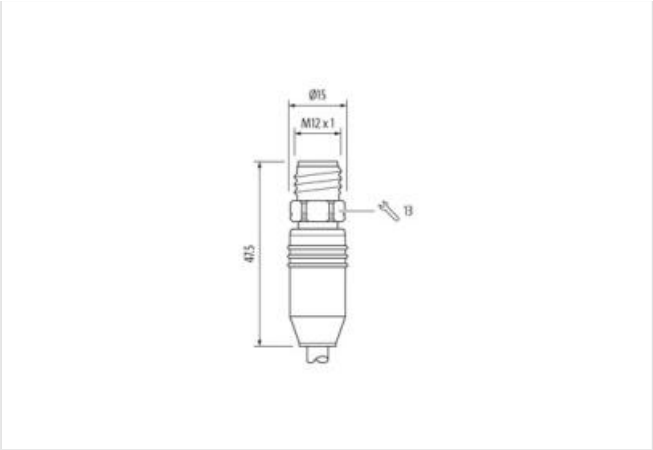
A-coded

Stainless steel 1.4404 (V4A)

Hybrid cable

Plastic housings with good resistance against chemicals and oils.

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



Product may differ from Image

| | |
|-------------------------------------|-------------------|
| Cable length | 2,5 m |
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Coating contact | gold plated |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material contact | Copper alloy |
| No. of poles | 6 |
| Degree of protection (EN IEC 60529) | IP65, IP68 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Coating contact | gold plated |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| Material contact | Copper alloy |
| No. of poles | 6 |
| Width across flats | SW14 |
| Degree of protection (EN IEC 60529) | IP65, IP68 |
| Commercial data | |
| ECLASS-6.0 | 27061801 |
| 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 |
| customs tariff number | 85444290 |
| GTIN | 4048879720427 |
| Packaging unit | 1 |
| Electrical data Supply | |

| | |
|---|---|
| Operating voltage AC max. | 30 V |
| Operating voltage DC max. | 30 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 | |
| Material gasket | FKM |
| Material housing | PUR |
| Locking material | Stainless steel 1.4404 (V4A) |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| 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. |
| Installation Cable | |
| wire arrangement | blue, white, brown, black, (gray, pink) |
| Cable identification | 522 |
| Function cable | Hybrid, Signal, Data |
| Jacket Color | gray |
| Amount stranding | 1 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 4 wires with Filler with Stranding combination twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Banding | Fleece |
| Filler | yes |
| wire arrangement | blue, white, brown, black, (gray, pink) |
| Cable weight | 104,5 g/m |
| Material jacket | PVC |
| Freedom from ingredients (jacket) | lead-free, CFC-free |
| Outer-diameter (jacket) | 7,9 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | TPE-E |
| Amount wires | 4 |
| Outer diameter insulation | 1,5 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Ingredient freeness wire insulation | lead-free, CFC-free |
| Conductor crosssection (wire) | 0,5 mm ² |
| Material conductor wire | Stranded copper wire, bare |
| Material wire insulation (Data) | TPE-E |
| Outer diameter wire insulation (Data) | 1,4 mm |

| | |
|---|--|
| Tolerance outer diameter wire insulation (data) | ± 5 % |
| Ingredient freeness wire insulation (Data) | lead-free, CFC-free |
| Amount wires (Data) | 2 |
| Conductor crosssection wire (Data) | 0,25 mm ² |
| Material conductor wire (Data) | Stranded copper wire, bare |
| Nominal voltage AC max. | 500 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4,5 A |
| Current load capacity min. Wire (Data) | 7,2 A |
| Electrical resistance line constant wire | 75 Ω/km @ 20 °C |
| Electrical resistance coating wire (Data) | 34 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 1,5 kV @ 60 s |
| Electric inductivity line constant | 0,65 mH/km |
| Power frequency withstand voltage (wire - jacket) | 1,5 kV @ 60 s |
| AC withstand voltage (wire - shield) | 1,2 kV @ 60 s |
| Isolation resistance | 200 MΩ × km |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 90 °C |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 70 °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 |
| Traversing distance (C-track) | 5 m |
| Travel speed (C-track) | 2 m/s |