

M12 male 0° / M8 female 0° V2A

PVC 3x0.25 bk UL/CSA 3.5m

Male straight – female straight

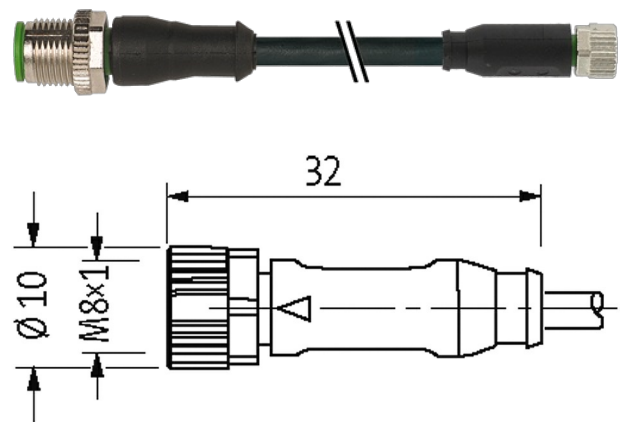
M12 – M8, 3-pole

Stainless steel 1.4305 (V2A/M12) / 1.4404 (V4A/M8)

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

Approvals

* only for products with UL/CSA approved cable

Form

Form 40561

General data

Standards DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)

Pollution Degree 3

Temperature range -25...+85 °C, depending on cable quality

CablesNo./diameter of wires 3 × 0.25 mm²

Wire isolation PVC (br, bl, bk)

Material (jacket) PVC (UL/CSA)

Outer Ø 4.5 mm ±5%

Bend radius (moving) 10 × outer Ø

Temperature range (fixed) -30...+80 °C

Temperature range (mobile) -5...+80 °C

Cable identification 610

Cable Type 1 (PVC)

Approval (cable) UL (AWM-Style 2464/1731), CSA

| | |
|-------------------------------------|--|
| Cable weight [g/m] | 29,37 |
| Material (wire) | Cu wire, bare |
| Resistor (core) | max. 79 Ω /km (20 °C) |
| Single wire \varnothing (core) | 0.15 mm |
| Construction (core) | 14 x 0.15 mm (multi-strand wire class 5) |
| Diameter (core) | 3 x 0.25 mm ² |
| AWG | similar to AWG 24 |
| Material (wire isolation) | PVC |
| Material property (wire isolation) | CFC-, cadmium-, silicone- and lead-free |
| Shore hardness (wire isolation) | 45 \pm 5 D |
| Wire- \varnothing incl. isolation | 1.25 mm \pm 5% |
| Color/numbering of wires | br, bk, bl |
| Stranding combination | 3 wires twisted |
| Shield | no |
| Material (jacket) | PVC |
| Material property (jacket) | CFC-, cadmium-, silicone- and lead-free |
| Shore hardness (jacket) | 85 \pm 5 A |
| Outer- \varnothing (jacket) | 4.5 mm \pm 5% |
| Color (jacket) | black |
| chemical resistance | good resistance to oil, gasoline and chemicals |
| thermal resistance | flame retardant UL 1581 VW1 / CSA FT1 |
| Nominal voltage | UL 300 V AC |
| Test voltage | 2000 V AC |
| Current load capacity | to DIN VDE 0298-4 |
| Temperature range (fixed) | -30...+80 °C |
| Temperature range (mobile) | -5...+80 °C |
| Bend radius (fixed) | 5 x outer \varnothing |
| Bend radius (moving) | 10 x outer \varnothing |
| Jacket Color | black |

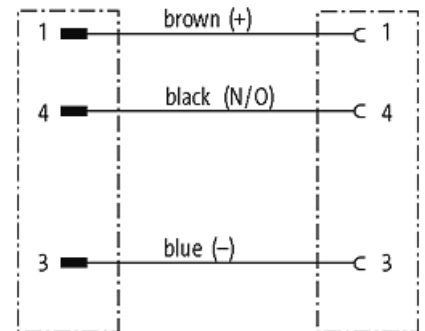
Technical Data

| | |
|--|---|
| Operating voltage | max. 50 V AC/60 V DC |
| Operating voltage (only UL listed) | max. 30 V AC/DC |
| Rated surge voltage | 1.5 kV |
| Operating current per contact | max. 4 A |
| Material group | IEC 60664-1, category I |
| Coding | A-coded |
| Locking of ports | Screw thread (M8/M12 x 1 mm) recommended torque 0.4/0.6 Nm, self-securing |
| Compression gland | M8 (SW9), M12 (SW13) |
| Protection | IP65, IP66K, IP67 |
| Locking material | Stainless steel 1.4305 (V2A/M12) / 1.4404 (V4A/M8) |
| Material | PUR |
| suitable for corrugated tube (internal \varnothing) | M12 (10 mm); M8 (6.5 mm) |

Commercial data

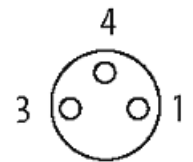
| | |
|-----------------------|---------------|
| country of origin | DE |
| customs tariff number | 85444290 |
| EAN | 4048879111812 |
| eClass | 27279218 |
| Packaging unit | 1 |

Sketch



Male

Female



Product may differ from Image