MURR ELEKTRONIK
stay connected

## MVP12, 8XM12, 5POLE, PLUGGABLE CABLE

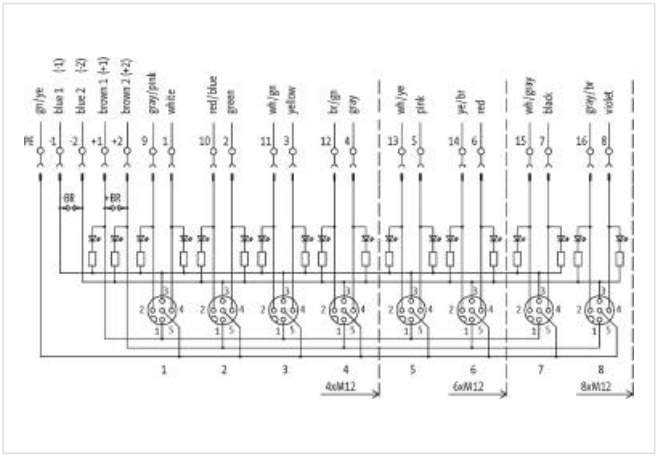
10.0m PUR/PVC 16x0,34+5x0,75

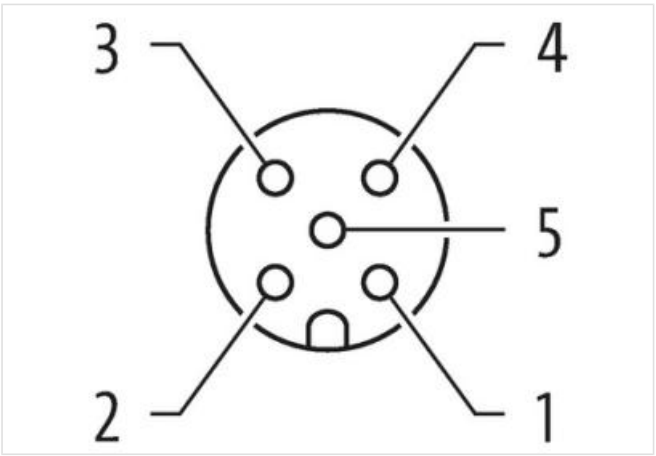
Further cable lengths on request.
8-way, 5-pole
Plastic housings with good resistance against chemicals and oils.
PUR/PVC
The resistance to aggressive media should be individually tested for your application. Further details on request.
potentially separated
with LED for digital PNP-signals 24 V DC

**Link to Product**

### Illustration






Product may differ from Image

### Commercial data

| | |
|---|---|
| ECLASS-6.0 | 27279219 |
| ECLASS-6.1 | 27279219 |
| ECLASS-7.0 | 27279219 |

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-03-29

MURR ELEKTRONIK
stay connected

| | |
|---|---|
| ECLASS-8.0 | 27279219 |
| ECLASS-9.0 | 27440108 |
| ECLASS-10.1 | 27440108 |
| ECLASS-11.1 | 27440108 |
| ECLASS-12.0 | 27440108 |
| ETIM-5.0 | EC002585 |
| customs tariff number | 85444290 |
| GTIN | 4048879064217 |
| Packaging unit | 1 |
| **Electrical data \| Supply** | |
| Operating voltage DC | 24 V |
| Operating voltage DC min. | 18 V |
| Operating voltage DC max. | 30 V |
| Current operating per contact max. | 4 A |
| Total current at 1 time current feed-in max. | 8 A |
| Total current at 2 times current feed-in max. | 16 A |
| **Industrial communication** | |
| Number of signals per port | 2 |
| **Installation \| Connection** | |
| Tightening torque | 0,6 Nm |
| Mounting set | M12 x 1 |
| **Device protection \| Electrical** | |
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| Additional condition protection degree | inserted, screwed |
| **Device protection \| Media** | |
| Flame resistance | flame retardant |
| **Mechanical data \| Material data** | |
| Material housing | PBT |
| **Mechanical data \| Mounting data** | |
| Height | 150 mm |
| Width | 50,2 mm |
| Depth | 17 mm |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -20 °C |
| Operating temperature max. | 80 °C |
| Additional condition temperature range | depending on cable quality |
| **Installation \| Cable** | |
| Cable identification | 404 |
| Cable Type | 2 |
| Jacket Color | gray |
| Type of Certificate | cURus |
| STOOW style jacket | Hybrid, Signal, Power |
| Amount stranding | 1 |
| Stranding | 5 wires around Core filler twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 16 wires around Stranding combination twisted |
| wire arrangement | blue 1, brown 1, blue 2, brown 2, green-yellow, (green, red-blue, white, gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white) |
| Cable weigth | 257,87 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 87 ± 5 Shore A |

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-03-29

| | |
|---|---|
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, silicone-free |
| Outer-diameter (jacket) | 12,5 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material inner jacket | PVC |
| Color (inner jacket) | gray |
| Material wire insulation | PVC |
| Amount wires | 16 |
| Outer diameter insulation | 1,4 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Shore hardness wire insulation | 55 Shore D |
| Material properties wire insulation | good machinability |
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, silicone-free |
| Amount strands (wire) | 19 |
| Diameter of single wires | 0,15 mm |
| Conductor crosssection (wire) | 0,34 mm² |
| Material conductor wire | Stranded copper wire, bare |
| Conductor type (wire) | Strand class 5 |
| Material wire insulation (Power) | PVC |
| Outer diameter wire insulation (Power) | 2,2 mm |
| No. of bending cycles (C-track) | 2 Mio. @ 25 °C |
| Tolerance outer diameter wire insulation (Power) | ±5 % |
| Shore hardness wire insulation (Power) | 43±5 Shore D |
| Material properties wire insulation (Power) | good machinability |
| Ingredient freeness wire insulation (Power) | lead-free, cadmium-free, CFC-free, silicone-free |
| Printing colour wire insulation (Power) | white (isolation blue), white (isolation brown) |
| Amount wires (Power) | 5 |
| Amount strands wire (Power) | 42 |
| Diameter of single wires (Power) | 0,15 mm |
| Wire conductor cross section (Power) | 0,75 mm² |
| Material conductor wire (Power) | Stranded copper wire, bare |
| Conductor type wire (Power) | strand class 6 |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 4 A |
| Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| Electrical resistance coating wire (Power) | 26 Ω/km @20 °C |
| Loop resistance | 7,8 A |
| Max. rated voltage power (conductor - ground) | 300 V |
| Max. rated voltage power (conductor - conductor) | 300 V |
| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s |
| AC withstand voltage power (wire - wire) | 2 kV @ 60 s |
| Min. operating temperature (static) | -30 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | -5 °C |
| Operating temperature max. (dynamic) | 70 °C |
| Flame resistance | UL 1581 § 1100 FT2 \| UL 1581 § 1090 \| IEC 60332-2-2 |
| 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 |

**Connection type 2**

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-03-29

| | |
|---|---|
| Family construction form | free cable end |
| Color contact carrier | gray |
| No. of poles | 21 |
| Family construction form | M12 |
| Gender | female |
| Color contact carrier | black |
| Coding | A |
| No. of poles | 5 |
| PIN 1 | + |
| PIN 2 | NC S 2 |
| PIN 3 | - |
| PIN 4 | NO S 1 |
| PIN 5 | PE |

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-03-29