

MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

15.0m PUR/PVC 12x0,34+3x0,75

Further cable lengths on request.  
6-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.  
15.0 m  
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      |
| 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                               | 4048879064477 |
| 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 max. 8 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 125 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

STOOW style jacket Hybrid, Signal, Power

Cable identification 388

Cable Type 2

Jacket Color gray

Type of Certificate cURus

Amount stranding 1

Stranding 3 wires twisted

Amount stranding (type 2) 1

Stranding (type 2) 12 wires around Stranding combination twisted

wire arrangement blue, brown, green-yellow, (gray-pink, white, red-blue, green, green-white, yellow, brown-green, gray, yellow-white, pink, brown-yellow, red)

Cable weight 162,8 g/m

Material jacket PUR

Shore hardness jacket 87 ± 5 Shore A

Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free

Outer-diameter (jacket) 9,2 mm

Tolerance outer diameter (sheath) ± 5 %

Material inner jacket PVC

Color (inner jacket) gray

Material wire insulation PVC

Amount wires 12

Outer diameter insulation 1,3 mm

Outer diameter tolerance core insulation ± 5 %

Shore hardness wire insulation 43 ± 5 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                                       |
| Traversing distance (C-track)                     | 5 m @ 25 °C  |
| Travel speed (C-track)                            | 3  |
| Material wire insulation (Power)                  | PVC  |
| Outer diameter wire insulation (Power)            | 1,8 mm   |
| 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     |
| 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                                       |
| Max. rated voltage (conductor - conductor)        | 300 V  |
| Max. rated voltage (conductor - ground)           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4 A  |
| Loop resistance                                   | 7,8 A  |
| Electrical resistance line constant wire          | 57 Ω/km  |
| Electrical resistance coating wire (Power)        | 26 Ω/km @20 °C                                       |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 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 § 1090   UL 1581 § 1100 FT2   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                                  |
| Travel speed (C-track)                            | 2 Mio. @ 25 °C                                       |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| Color contact carrier    | gray           |
| No. of poles             | 15             |
| 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             |