

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



| 取引条件       |          |
|------------|----------|
| 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      |
| GTIN           | 4048879064217 |
| HSコード          | 85444290      |
| 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 weight              | 257,87 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)                           | 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                                               |
| 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 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                                          |
| Travel speed (C-track)                            | 5                                                    |
| 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                                                  |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C                                      |
| 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                                          |
| Loop resistance                                   | 7,8 A                                                |
| 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                                  |
| No. of bending cycles (C-track)                   | 2 Mio. @ 25 °C                                       |

#### Connection type 2

このデータシートに含まれる情報は最大限の注意を払って作成されました。

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-01

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|                          |                |
|--------------------------|----------------|
| 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             |