

**MVP12 Steel F&B, 8XM12, 5POLE, PRE-WIRED CABLE**

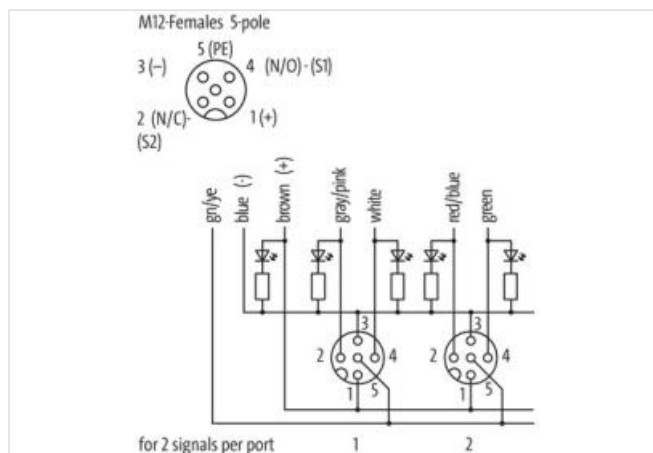
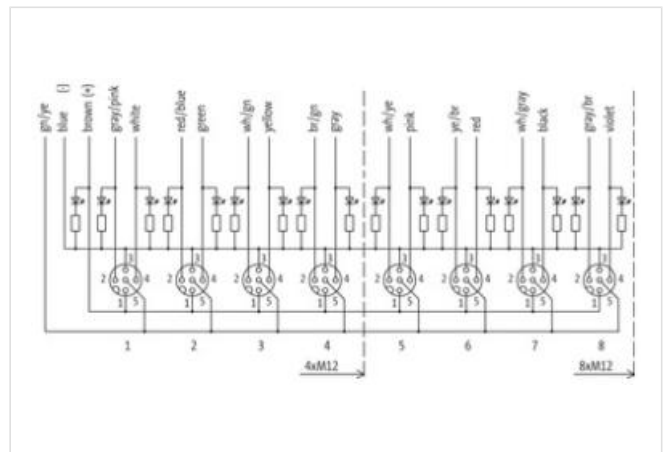
25.0m TPE-V 16x0.5+3x1.0

5-pole

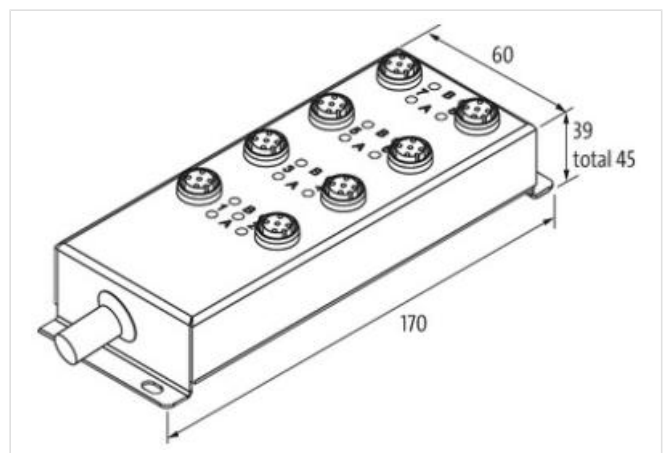
15.0 m

Further cable lengths on request.

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

**[Linkki tuotteeseen](#)****Kuvat**

Tuote voi erota kuvassa olevasta

**Kaupalliset tiedot**

|             |          |
|-------------|----------|
| ECLASS-6.0  | 27143423 |
| 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                                            | 4048879554183                                                                                                                                                                        |
| Pakkauskoko                                     | 1                                                                                                                                                                                    |
| Tullinumero                                     | 85444290                                                                                                                                                                             |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                                                      |
| Operating voltage DC                            | 24 V                                                                                                                                                                                 |
| Current operating per contact max.              | 4 A                                                                                                                                                                                  |
| <b>Installation   Connection</b>                |                                                                                                                                                                                      |
| Mounting set                                    | M12 x 1                                                                                                                                                                              |
| <b>Device protection   Electrical</b>           |                                                                                                                                                                                      |
| Degree of protection (EN IEC 60529)             | IP65, IP67, IP68                                                                                                                                                                     |
| Degree of protection (ISO 20653:2013)           | IP69K                                                                                                                                                                                |
| Additional condition protection degree          | inserted, screwed                                                                                                                                                                    |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                                                      |
| Material housing                                | Stainless steel 1.4404 (V4A)                                                                                                                                                         |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                                                      |
| Mounting method                                 | Schraubgewinde                                                                                                                                                                       |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                                                      |
| Operating temperature min.                      | -30 °C                                                                                                                                                                               |
| Operating temperature max.                      | 80 °C                                                                                                                                                                                |
| Additional condition temperature range          | depending on cable quality                                                                                                                                                           |
| <b>Installation   Cable</b>                     |                                                                                                                                                                                      |
| Cable identification                            | 453                                                                                                                                                                                  |
| Jacket Color                                    | gray                                                                                                                                                                                 |
| Type of Certificate                             | cURus                                                                                                                                                                                |
| Amount stranding                                | 1                                                                                                                                                                                    |
| Stranding                                       | 7 wires around Core filler twisted                                                                                                                                                   |
| Amount stranding (type 2)                       | 1                                                                                                                                                                                    |
| Stranding (type 2)                              | 12 wires counter-rotating twisted                                                                                                                                                    |
| Filler                                          | yes                                                                                                                                                                                  |
| wire arrangement                                | gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) |
| Cable weight                                    | 199,1 g/m                                                                                                                                                                            |
| Material jacket                                 | TPE-V                                                                                                                                                                                |
| Shore hardness jacket                           | 80 ± 5 Shore A                                                                                                                                                                       |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                       |
| Outer-diameter (jacket)                         | 11,6 mm                                                                                                                                                                              |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                                                |
| Material wire insulation                        | PP                                                                                                                                                                                   |
| Amount wires                                    | 16                                                                                                                                                                                   |
| Outer diameter insulation                       | 1,6 mm                                                                                                                                                                               |
| Outer diameter tolerance core insulation        | ± 5 %                                                                                                                                                                                |
| Shore hardness wire insulation                  | 65 ± 3 Shore D                                                                                                                                                                       |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                       |
| Traversing distance (C-track)                   | 5 m @ 25 °C                                                                                                                                                                          |
| Amount strands (wire)                           | 64                                                                                                                                                                                   |
| Diameter of single wires                        | 0,1 mm                                                                                                                                                                               |
| Conductor crosssection (wire)                   | 0,5 mm <sup>2</sup>                                                                                                                                                                  |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                                                           |
| Conductor type (wire)                           | strand class 6                                                                                                                                                                       |

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Material wire insulation (Data)                   | PP                                                             |
| Outer diameter wire insulation (Data)             | 2,1 mm                                                         |
| Tolerance outer diameter wire insulation (data)   | ± 5 %                                                          |
| Shore hardness wire insulation (Data)             | 65 ± 3 Shore D                                                 |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount wires (Data)                               | 3                                                              |
| Amount strands wire (Data)                        | 128                                                            |
| Diameter of single wires (Data)                   | 0,1 mm                                                         |
| Conductor crosssection wire (Data)                | 1 mm <sup>2</sup>                                              |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                     |
| Wire conductor type (Data)                        | strand class 6                                                 |
| Nominal voltage AC max.                           | 300 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 5,9 A                                                          |
| Current load capacity min. Wire (Data)            | 15 A                                                           |
| Electrical resistance line constant wire          | 39 Ω/km @ 20 °C                                                |
| Electrical resistance coating wire (Data)         | 20 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)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 90 °C                                                          |
| Operating temperature min. (dynamic)              | -20 °C                                                         |
| Operating temperature max. (dynamic)              | 90 °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                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (installation)                     | x Outer diameter                                               |
| Bending radius (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                 |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| Color contact carrier    | gray           |
| No. of poles             | 19             |
| 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             |