

**MVP-METALL, 4XM12, 5POLE, PRE-WIRED CABLE**

3.0m PUR 8x0,34+3X0.75, UL/CSA

Art.No.: 8000-54515-3730300

Weight: 0.7

Country of origin: CZ

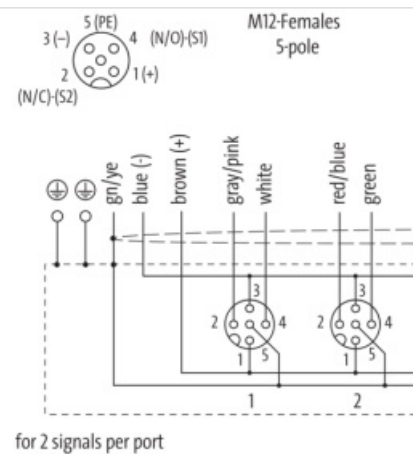
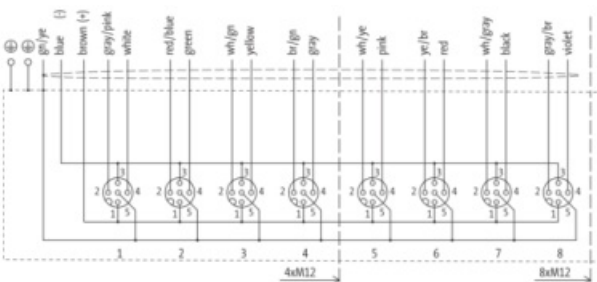
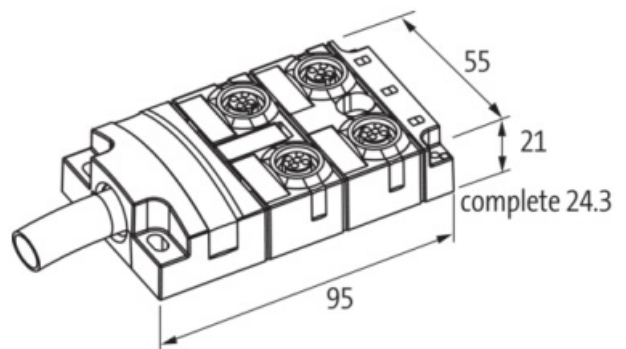
Model designation: MVP12M-AN4F 373 3.0-XA

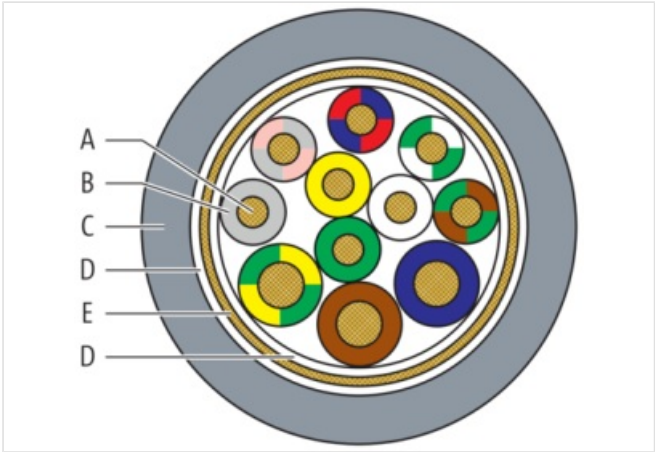
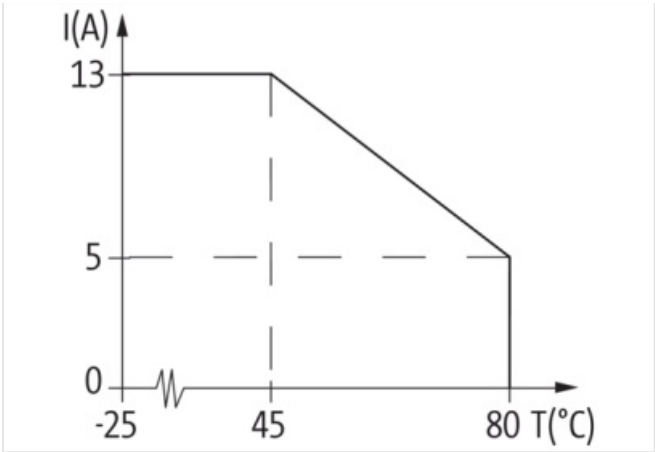
3.0 m

Replaces identical product (Art.No. 27486)

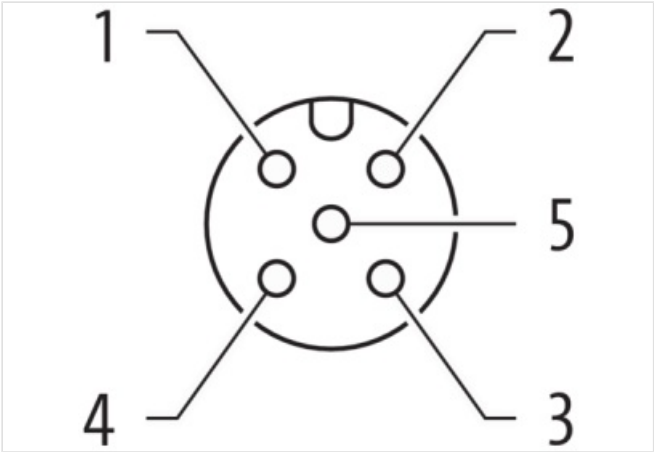
without LED, 5-pole (for analog signals)

Further cable lengths on request.

**[Link to Product](#)****Illustration**



Product may differ from Image



| Header              |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Material short text | MVP12M-AN4F 373 3.0-XA                                                                                              |
| Commercial data     |                                                                                                                     |
| URL Webshop         | <a href="https://shop.murrelektronik.com/8000-54515-3730300">https://shop.murrelektronik.com/8000-54515-3730300</a> |
| GTIN                | 4048879351713                                                                                                       |
| ECLASS-6.0          | 27279219                                                                                                            |
| ECLASS-6.1          | 27279219                                                                                                            |
| ECLASS-7.0          | 27279219                                                                                                            |
| ECLASS-7.1          | 27279219                                                                                                            |
| ECLASS-8.0          | 27279219                                                                                                            |
| ECLASS-8.1          | 27279219                                                                                                            |
| ECLASS-9.0          | 27440108                                                                                                            |
| ECLASS-9.1          | 27440108                                                                                                            |
| ECLASS-10.0.1       | 27440108                                                                                                            |
| ECLASS-10.1         | 27440108                                                                                                            |
| ECLASS-11.0         | 27440108                                                                                                            |
| ECLASS-11.1         | 27440108                                                                                                            |
| ECLASS-12.0         | 27440108                                                                                                            |

|                       |               |
|-----------------------|---------------|
| ECLASS-13.0           | 27440108      |
| ECLASS-14.0           | 27440108      |
| ETIM-5.0              | EC002585      |
| ETIM-6.0              | EC002585      |
| ETIM-7.0              | EC002585      |
| ETIM-8.0              | EC002585      |
| customs tariff number | 85444290      |
| EAN                   | 4048879351713 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 48 V |
| Operating voltage DC max.          | 48 V |
| Current operating per contact max. | 4 A  |

**Installation | Connection**

|              |         |
|--------------|---------|
| Mounting set | M12 x 1 |
|--------------|---------|

**Device protection | Electrical**

|                                     |                  |
|-------------------------------------|------------------|
| Degree of protection (EN IEC 60529) | IP67, IP68, IP65 |
|-------------------------------------|------------------|

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Material housing | Zinc die-casting |
| Coating housing  | Nickeled         |

**Mechanical data | Mounting data**

|                 |                |
|-----------------|----------------|
| Mounting method | Schraubgewinde |
|-----------------|----------------|

**Environmental characteristics | Climatic**

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 90 °C                      |
| Additional condition temperature range | depending on cable quality |

**Installation | Cable**

|                                          |                                                                                                            |
|------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Cable identification                     | 373                                                                                                        |
| Cable Type                               | 3                                                                                                          |
| Function cable                           | Hybrid, Signal, Power                                                                                      |
| Amount stranding                         | 1                                                                                                          |
| Stranding                                | Wires                                                                                                      |
| Amount stranding (type 2)                | 1                                                                                                          |
| Stranding (type 2)                       | Wires                                                                                                      |
| Cable shielding (type)                   | copper braid, tinned                                                                                       |
| Cable shielding (coverage)               | 80 %                                                                                                       |
| Banding                                  | Fleece                                                                                                     |
| Wire arrangement                         | yellow, white, green, (, gray, gray-pink, red-blue, green-white, brown-green, blue, brown, green-yellow, ) |
| Cable weight                             | 145.2 g/m                                                                                                  |
| Material wire insulation                 | PP                                                                                                         |
| Amount wires                             | 8                                                                                                          |
| Outer diameter insulation                | 1.3 mm                                                                                                     |
| Outer diameter tolerance core insulation | ± 0.05 mm                                                                                                  |
| Shore hardness wire insulation           | 55                                                                                                         |
| Ingredient freeness wire insulation      | LABS-free, CFC-free, silicone-free, halogen-free, lead-free                                                |
| Amount strands (wire)                    | 42                                                                                                         |
| Diameter of single wires                 | 0.1 mm                                                                                                     |
| Conductor crosssection (wire)            | 0.34 mm²                                                                                                   |
| Material conductor wire                  | Stranded copper wire, bare                                                                                 |
| Conductor type (wire)                    | strand class 6                                                                                             |
| Material wire insulation (type 3)        | PP                                                                                                         |

|                                                   |                                                                           |
|---------------------------------------------------|---------------------------------------------------------------------------|
| Outer diameter wire insulation (type 3)           | 1.8 mm                                                                    |
| Tolerance outer diameter wire insulation (type 3) | ± 0.1 mm                                                                  |
| Shore hardness wire insulation (type 3)           | 55                                                                        |
| Ingredient freeness wire insulation (type 3)      | LABS-free, CFC-free, cadmium-free, silicone-free, halogen-free, lead-free |
| Amount wires (type 3)                             | 3                                                                         |
| Amount strands wire (type 3)                      | 96                                                                        |
| Diameter of single wires (type 3)                 | 0.1 mm                                                                    |
| Wire conductor cross section (type 3)             | 0.75 mm²                                                                  |
| Material conductor wire (type 3)                  | Stranded copper wire, bare                                                |
| Conductor type wire (type 3)                      | strand class 6                                                            |
| Outer-diameter (jacket)                           | 9.3 mm                                                                    |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                     |
| Material jacket                                   | PUR                                                                       |
| Shore hardness jacket                             | 85                                                                        |
| Freedom from ingredients (jacket)                 | CFC-free, cadmium-free, silicone-free, halogen-free, lead-free            |
| Material property (jacket)                        | matte, good machinability, abrasion-resistant, low adhesion               |
| Conductor resistance (wire)                       | 53 Ω/km @ 20 °C                                                           |
| Conductor resistance (wire type 3)                | 26 Ω/km @ 20 °C                                                           |
| Max. rated voltage (conductor - ground)           | 300 V                                                                     |
| Max. rated voltage (conductor - conductor)        | 500 V                                                                     |
| Withstand voltage (wire - wire)                   | 2 kV @ 60 s                                                               |
| Withstand voltage (wire - jacket)                 | 2 kV @ 60 s                                                               |
| Withstand voltage (wire - shield)                 | 2 kV @ 60 s                                                               |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                                         |
| Current load capacity min. wire                   | 4 A                                                                       |
| Current carrying capacity min. wire (type 3)      | 12 A                                                                      |
| Min. operating temperature (static)               | -40 °C                                                                    |
| Max. operating temperature (fixed)                | 90 °C                                                                     |
| Operating temperature min. (dynamic)              | -40 °C                                                                    |
| Operating temperature max. (dynamic)              | 90 °C                                                                     |
| Bending radius (fixed)                            | 10 × Outer diameter                                                       |
| Bending radius (dynamic)                          | 12 × Outer diameter                                                       |
| No. of bending cycles (C-track)                   | 5 Mio. @ 25 °C                                                            |
| Traversing distance (C-track)                     | 1.8 m @ 25 °C                                                             |
| Travel speed (C-track)                            | 2 m/s @ 25 °C                                                             |
| Acceleration (C-track)                            | 5 m/s² @ 25 °C                                                            |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| No. of poles             | 16             |
| Family construction form | M12            |
| No. of poles             | 5              |
| Coding                   | A              |
| Gender                   | female         |
| Color contact carrier    | black          |
| PIN 1                    | +              |
| PIN 2                    | NC S 2         |
| PIN 3                    | -              |
| PIN 4                    | NO S 1         |
| PIN 5                    | PE             |