

## EXACT8, 10XM8, 4 POLE MOULDED CABLE

5.0m PUR 20\*0,34+2\*0,75 exit norm..

Art.No.: 8000-80110-4110500

Weight: 1.043 kg

Country of origin: DE

Model designation: MVP8N-AN10V411 5.0m

10-way, 4-pole

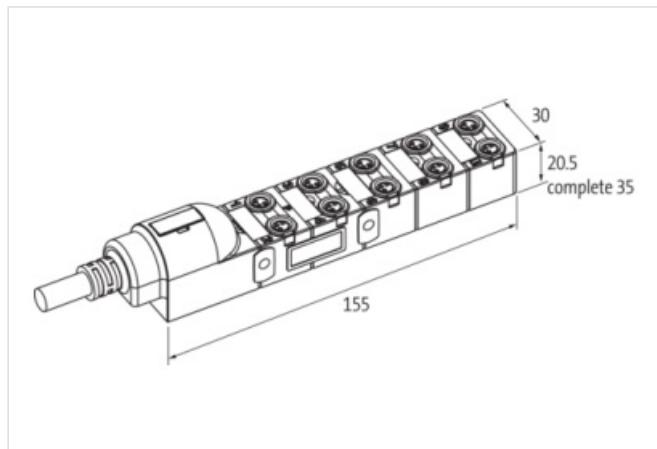
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

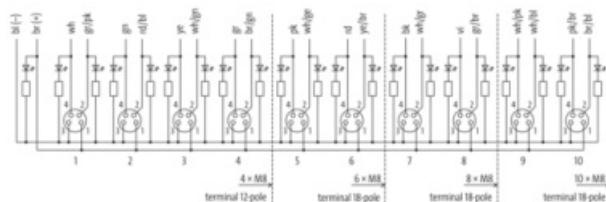
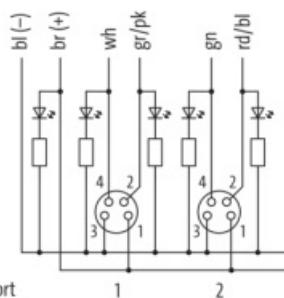
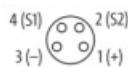
The resistance to aggressive media should be individually tested for your application. Further details on request.

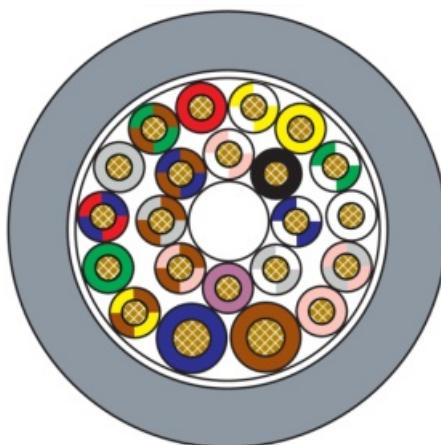
### Link to Product

#### Illustration



#### M8-Females 4-pole





Product may differ from Image



#### Header

Material short text MVP8N-AN10V411 5.0m

#### Commercial data

|                       |   |
|-----------------------|---|
| URL Webshop           | <a href="https://shop.murrelektronik.com/8000-80110-4110500">https://shop.murrelektronik.com/8000-80110-4110500</a> |
| GTIN                  | 4048879056717   |
| 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                   | 4048879056717   |
| Packaging unit        | 1   |

#### Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage DC               | 24 V |
| Current operating per contact max. | 2 A  |
| Total current max.                 | 8 A  |

#### Industrial Communication

|   |  |
|---|--|
| Number of signals per port                        | 2  |
| <b>Installation   Connection</b>                  |  |
| Mounting set                                      | M8 x 1   |
| <b>Device protection   Electrical</b>             |  |
| Degree of protection (EN IEC 60529)               | IP67, IP65   |
| <b>Device protection   Media</b>                  |  |
| Flame resistance                                  | flame retardant  |
| <b>Mechanical data   Material data</b>            |  |
| Material housing                                  | Plastic  |
| <b>Mechanical data   Mounting data</b>            |  |
| Mounting method                                   | Schraubgewinde   |
| <b>Environmental characteristics   Climatic</b>   |  |
| Operating temperature min.                        | -20 °C   |
| Operating temperature max.                        | 80 °C  |
| Additional condition temperature range            | depending on cable quality   |
| <b>Installation   Cable</b>                       |  |
| Cable identification                              | 411  |
| Cable Type  | 3  |
| Function cable                                    | Hybrid, Signal, Power  |
| Stranding   | 1 x 8 wires around core filler twisted   |
| Stranding factor min.                             | 80 mm  |
| Stranding factor max.                             | 80 mm  |
| Amount stranding (type 2)                         | 1  |
| Stranding (type 2)                                | 1 x 14 wires stranded in opposite direction around stranding combination   |
| Stranding factor min. (type 2)                    | 140 mm   |
| Stranding factor max. (type 2)                    | 140 mm   |
| Banding   | Fleece   |
| Filler  | Yes  |
| Wire arrangement                                  | (brown-gray, brown-blue, white-pink, black, blue-white, gray-white, violet, brown-pink), red-blue, gray, brown-green, red, yellow-white, yellow, green-white, white, gray-pink, pink, brown, blue, brown-yellow, green |
| Cable weight                                      | 156 g/m  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 20   |
| Outer diameter insulation                         | 1,3 mm   |
| Outer diameter tolerance core insulation          | ± 0,05 mm  |
| Shore hardness wire insulation                    | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free  |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>   |
| Material conductor wire                           | Stranded copper wire, bare   |
| Conductor type (wire)                             | strand class 6   |
| Electrical function wire                          | Signal   |
| Material wire insulation (type 2)                 | PP   |
| Outer diameter wire insulation (type 2)           | 1,8 mm   |
| Tolerance outer diameter wire insulation (type 2) | ± 0,05 mm  |
| Shore hardness wire insulation (type 2)           | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation (type 2)      | lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free  |
| Amount wires (type 2)                             | 2  |
| Amount strands wire (type 2)                      | 96   |
| Diameter of single wires (type 2)                 | 0,1 mm   |

|  |  |
|--|--|
| Conductor crosssection wire (type 2)       | 0,75 mm <sup>2</sup>   |
| Material conductor wire (type 2)           | Stranded copper wire, bare   |
| Wire conductor type (type 2)               | strand class 6   |
| Electrical function wire (type 2)          | Power  |
| Outer-diameter (jacket)                    | 11,3 mm  |
| Tolerance outer diameter (sheath)          | ± 5 %  |
| Material jacket                            | PUR  |
| Shore hardness jacket                      | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)          | lead-free, cadmium-free, CFC-free, halogen-free, LABS-free, silicone-free  |
| Material property (jacket)                 | abrasion-resistant, low adhesion, good machinability, matte  |
| Conductor resistance (wire)                | 57 Ω/km @ 20 °C  |
| Conductor resistance (wire type 2)         | 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  |
| Current load capacity (standard)           | to DIN VDE 0298-4  |
| Current load capacity max. (wire)          | 4 A  |
| Current load capacity max. Wire (type 2)   | 12 A   |
| Operating temperature min. (static)        | -40 °C   |
| Operating temperature max. (static)        | 80 °C / 90 °C @ 10000 h Operation  |
| Operating temperature min. (dynamic)       | -25 °C   |
| Operating temperature max. (dynamic)       | 80 °C / 90 °C @ 10000 h Operation  |
| Operating temperature min. (drag chain)    | -5 °C  |
| Operating temperature max. (drag chain)    | 60 °C  |
| Flame resistance                           | IEC 60332-1-2  |
| Oil resistance                             | ISO 19642-3  |
| Chemical resistance                        | ISO 19642-3  |
| Ozone resistance                           | IEC 60811-403  |
| UV resistance                              | UL 1581 § 1200   |
| Other resistances                          | resistance to gasoline (ISO 19642-3), resistant to mineral oils, greases, machine and gear oils and cooling lubricants, resistant to hydrolysis, resistant to microbes |
| Bending radius (fixed)                     | 7.5 × Outer diameter   |
| Bending radius (dynamic)                   | 10 × Outer diameter  |
| No. of bending cycles (C-track)            | 5 Mio. @ 25 °C   |
| Traversing distance (C-track)              | 10 m @ 25 °C   horizontal  |
| Travel speed (C-track)                     | 3 m/s @ 25 °C  |
| Acceleration (C-track)                     | 10 m/s <sup>2</sup> @ 25 °C  |

### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| No. of poles             | 20             |
| Family construction form | M8             |
| No. of poles             | 4              |
| Coding                   | A              |
| Gender                   | female         |
| Color contact carrier    | black          |
| PIN 1                    | +              |
| PIN 2                    | S 2            |
| PIN 3                    | -              |
| PIN 4                    | S 1            |