

**EXACT12, 8XM12, 5-POLE, MOULDED CABLE**

3.0m PUR/PVC 16x0,34+3X0.75, UL/CSA

Art.No.: 8000-88510-3980300

Weight: 0.700 kg

Country of origin: DE

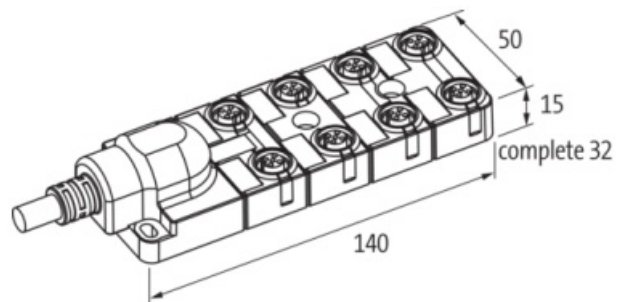
Model designation: MVP12N-AN8F398 3.0M

8-way, 5-pole

Further cable lengths on request.

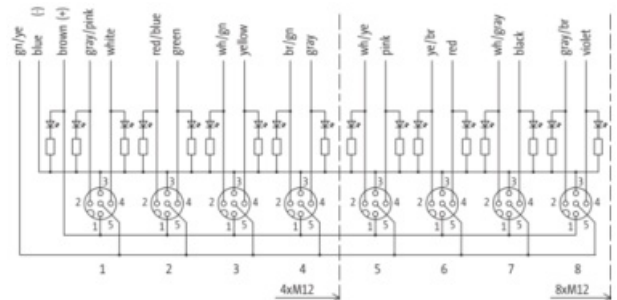
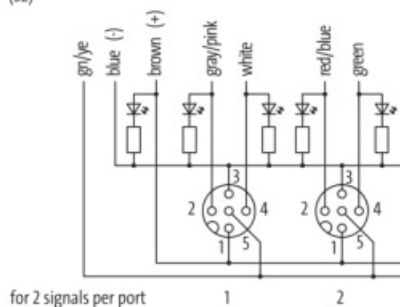
Plastic housings with good resistance against chemicals and oils.

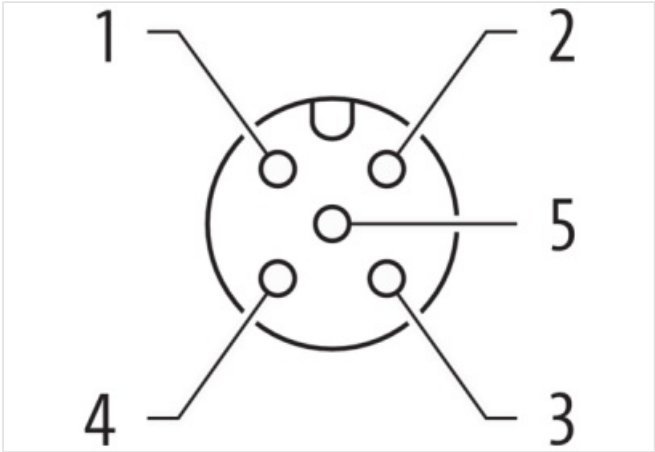
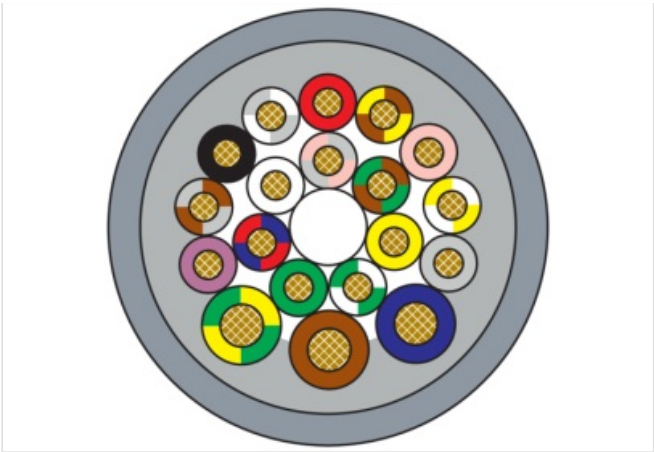
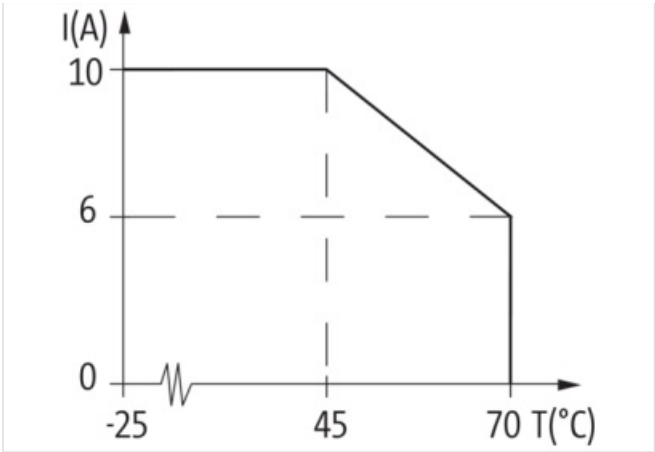
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

M12-females 5-pole

3 (-) 5 (PE) 4 (N/O) - (S1)  
2 (N/C) 1 (+) (S2)





Product may differ from Image



| Header              |  |
|---------------------|--|
| Material short text | MVP12N-AN8F398 3.0M                                |
| Commercial data     |  |
| URL Webshop         | https://shop.murrelektronik.com/8000-88510-3980300 |
| GTIN                | 4048879054034                                      |
| ECLASS-6.0          | 27143423   |
| 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                   | 4048879054034 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage DC               | 24 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, IP65 |
|-------------------------------------|------------|

**Device protection | Media**

|                  |                 |
|------------------|-----------------|
| Flame resistance | flame retardant |
|------------------|-----------------|

**Mechanical data | Material data**

|                  |         |
|------------------|---------|
| Material housing | Plastic |
|------------------|---------|

**Mechanical data | Mounting data**

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

**Environmental characteristics | Climatic**

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -20 °C                     |
| Operating temperature max.             | 70 °C                      |
| Additional condition temperature range | depending on cable quality |

**Installation | Cable**

|  |  |
|--|--|
| Cable identification                     | 398  |
| Cable Type                               | 2  |
| Function cable                           | Hybrid, Signal, Power  |
| Stranding                                | 1 × 7 wires around core filler twisted   |
| Amount stranding (type 2)                | 1  |
| Stranding (type 2)                       | 1 × 12 wires stranded around stranding combination   |
| Filler                                   | Yes  |
| Wire arrangement                         | (white, gray-pink, brown-green, yellow, green-white, green, red-blue), brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet |
| Cable weight                             | 150 g/m  |
| Material wire insulation                 | PVC  |
| Amount wires                             | 16   |
| Outer diameter insulation                | 1,3 mm   |
| Outer diameter tolerance core insulation | ± 0,1 mm   |
| 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   |
| Material wire insulation (type 2)        | PVC  |
| Outer diameter wire insulation (type 2)  | 1,8 mm   |

|   |   |
|---|---|
| Tolerance outer diameter wire insulation (type 2) | ± 0,1 mm  |
| Shore hardness wire insulation (type 2)           | 43 ± 5 Shore D  |
| Material properties wire insulation (type 2)      | good machinability  |
| Ingredient freeness wire insulation (type 2)      | lead-free, cadmium-free, CFC-free, silicone-free                            |
| Amount wires (type 2)                             | 3   |
| Amount strands wire (type 2)                      | 42  |
| Diameter of single wires (type 2)                 | 0,15 mm   |
| Conductor crosssection wire (type 2)              | 0,75 mm²  |
| 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)                           | 10 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %   |
| Material jacket                                   | PUR   |
| Shore hardness jacket                             | 87 ± 5 Shore A  |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free                            |
| Material property (jacket)                        | abrasion-resistant, low adhesion, good machinability, matte                 |
| Material inner jacket                             | PVC   |
| Color (inner jacket)                              | gray  |
| 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)        | 300 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)               | -30 °C  |
| Operating temperature max. (static)               | 80 °C   |
| Operating temperature min. (dynamic)              | -5 °C   |
| Operating temperature max. (dynamic)              | 70 °C   |
| Operating temperature min. (drag chain)           | -5 °C   |
| Operating temperature max. (drag chain)           | 60 °C   |
| Flame resistance                                  | UL 1581 § 1090, CSA FT2, IEC 60332-2-2                                      |
| Oil resistance                                    | IEC 60811-404   |
| Chemical resistance                               | good  |
| Other resistances                                 | good resistance to gasoline, resistant to hydrolysis, resistant to microbes |
| Bending radius (fixed)                            | 5 × Outer diameter  |
| Bending radius (dynamic)                          | 10 × Outer diameter   |
| No. of bending cycles (C-track)                   | 2 Mio. @ 25 °C  |
| Traversing distance (C-track)                     | 5 m @ 25 °C   |
| Travel speed (C-track)                            | 2 m/s @ 25 °C   |
| Acceleration (C-track)                            | 10 m/s² @ 25 °C   |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| No. of poles             | 19             |
| 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     |