

**M12 female 0° A-cod. with cable**

TPE 5x18AWG ye UL/CSA. ITC/PLTC 1m

Female straight

Cable is approved for 600 V

M12, 5-pole

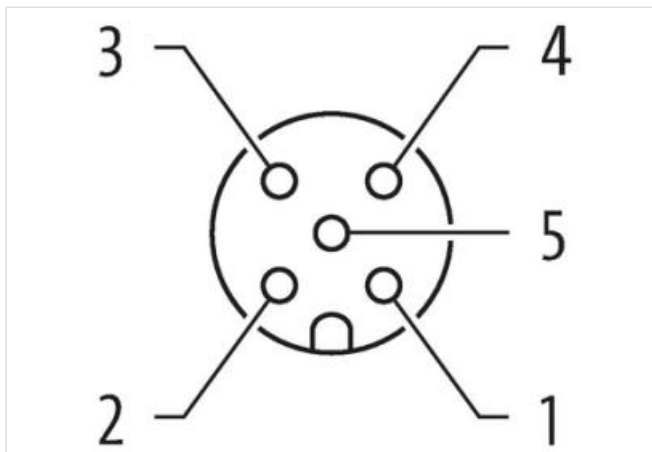
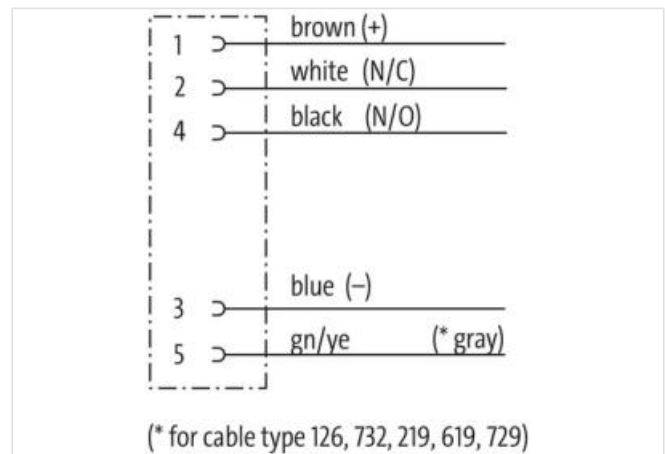
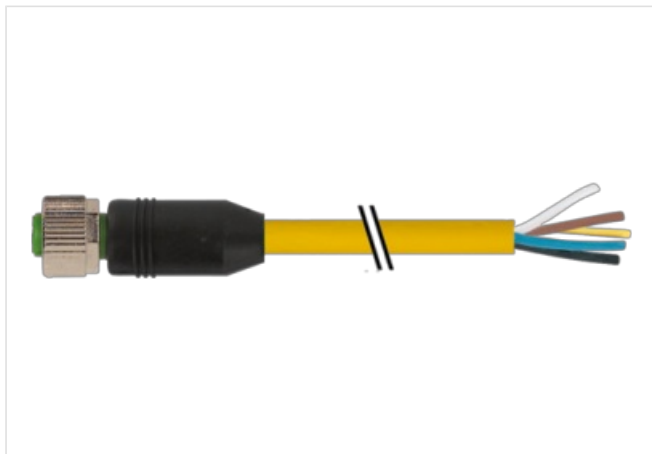
USA

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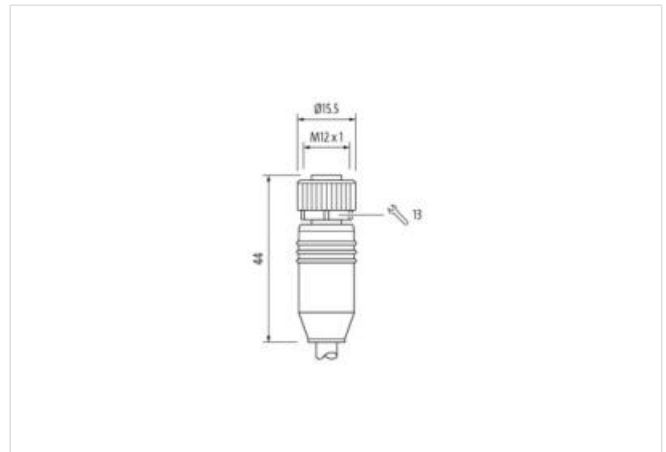
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

[Link naar het product](#)**Afbeelding**

Product van afwijken van afbeelding



Cable length

1 m

**Side 1**

|                                     |                   |
|-------------------------------------|-------------------|
| Tightening torque                   | 0,6 Nm            |
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Coding                              | A                 |
| No. of poles                        | 5                 |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |

**Side 2**

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

**Commerciële gegevens**

|                      |               |
|----------------------|---------------|
| ECLASS-6.0           | 27279218      |
| ECLASS-7.0           | 27279218      |
| ECLASS-8.0           | 27279218      |
| ECLASS-9.0           | 27060311      |
| ECLASS-10.1          | 27060311      |
| ECLASS-11.1          | 27060311      |
| ECLASS-12.0          | 27060311      |
| ETIM-5.0             | EC001855      |
| Douane tarief nummer | 85444290      |
| GTIN                 | 4048879531993 |
| Verpakkingseenheid   | 1             |

**Electrical data | Supply**

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC max.          | 125 V |
| Operating voltage DC max.          | 125 V |
| Operating voltage AC (UL-listed)   | 30 V  |
| Operating voltage DC (UL-listed)   | 30 V  |
| Current operating per contact max. | 4 A   |

**Installation | Connection**

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

**Device protection | Electrical**

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Coating locking  | Nickel           |
| Material housing | PUR              |
| Locking material | Zinc die-casting |

**Mechanical data | Mounting data**

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

**Environmental characteristics | Climatic**

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

**Important installation notes**

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

**Conformity**

Product standard DIN EN 61076-2-101 (M12)

| Installation   Cable                              |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Cable identification                              | 161                                                  |
| Jacket Color                                      | yellow                                               |
| Type of Certificate                               | cURus                                                |
| Amount stranding                                  | 1                                                    |
| Stranding                                         | 5 wires around Core filler twisted                   |
| Filler                                            | yes                                                  |
| wire arrangement                                  | brown, black, blue, white, green-yellow              |
| Cable weight                                      | 103,4 g/m                                            |
| Material jacket                                   | TPE                                                  |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free, halogen-free                    |
| Outer-diameter (jacket)                           | 7,75 mm                                              |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                |
| Material wire insulation                          | PVC                                                  |
| Amount wires                                      | 5                                                    |
| Outer diameter insulation                         | 1,93 mm                                              |
| Outer diameter tolerance core insulation          | ± 5 %                                                |
| Ingredient freeness wire insulation               | lead-free, CFC-free                                  |
| Amount strands (wire)                             | 19                                                   |
| Diameter of single wires                          | 18 AWG                                               |
| Conductor crosssection (wire)                     | 18 AWG                                               |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Nominal voltage AC max.                           | 600 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 9 A                                                  |
| Electrical resistance line constant wire          | 22,5 Ω/km                                            |
| AC withstand voltage (wire - wire)                | 4 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 4 kV @ 60 s                                          |
| Min. operating temperature (static)               | -40 °C                                               |
| Max. operating temperature (fixed)                | 105 °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                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 10 x Outer diameter                                  |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |
| Travel speed (C-track)                            | 10 Mio.                                              |
| No. of torsion cycles                             | 3 Mio.                                               |
| Torsion stress                                    | ± 180 °/m                                            |