

**M12 male 0° / M12 female 0°**

PUR 5x0.5 gy drag ch. 2m

Male straight – female straight

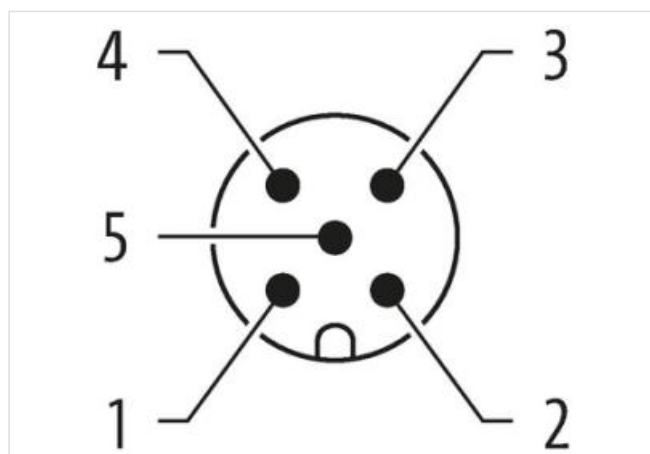
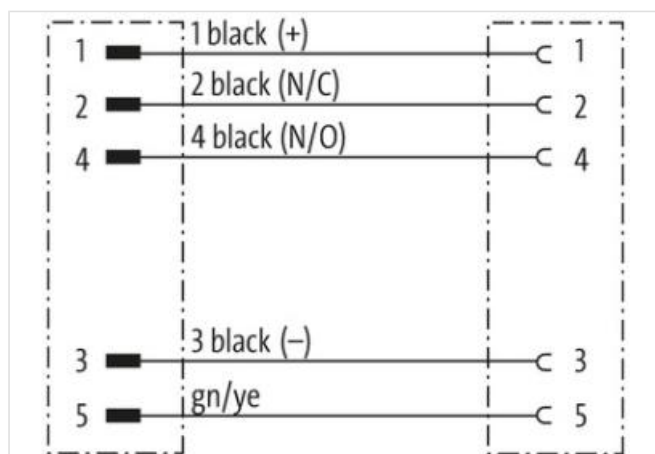
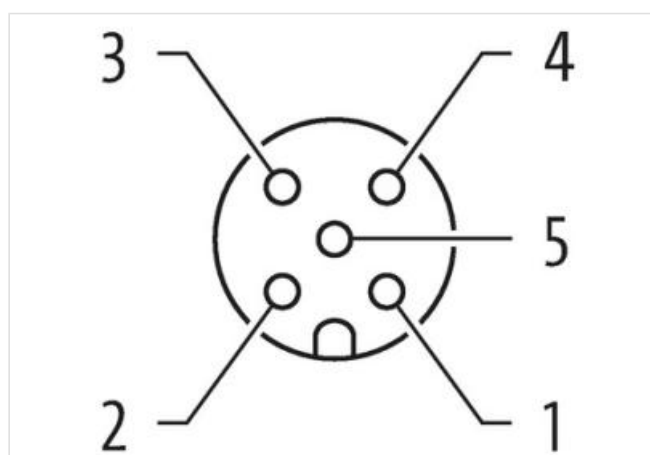
M12 – M12, 5-pole

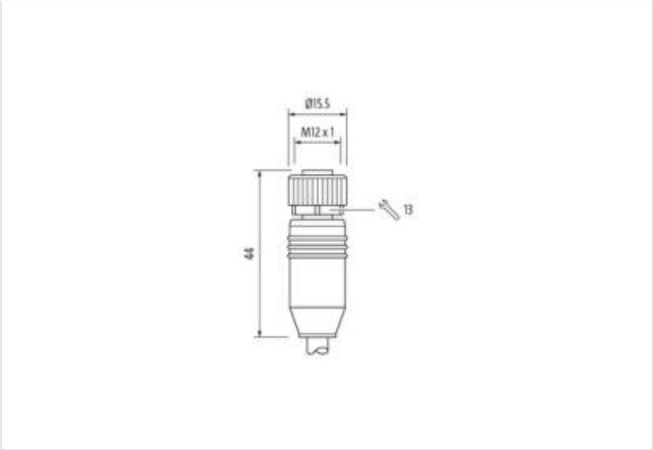
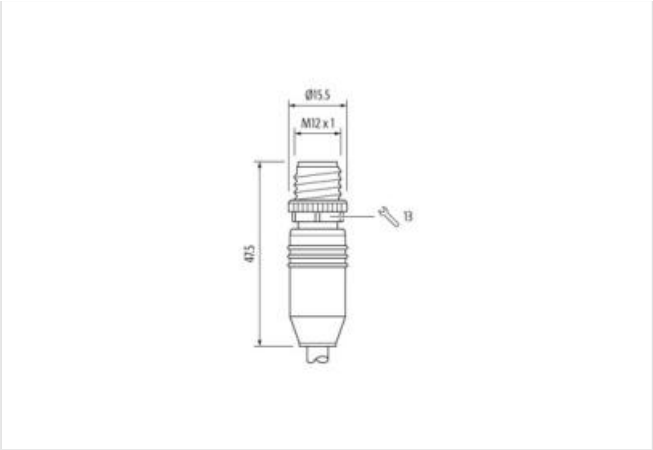
with cable sleeves

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                        | 2 m           |
| Side 1                              |               |
| Tightening torque                   | 0,6 Nm        |
| Family construction form            | M12           |
| Thread                              | M12 x 1       |
| Coding                              | A             |
| No. of poles                        | 5             |
| Width across flats                  | SW13          |
| Degree of protection (EN IEC 60529) | IP67          |
| Side 2                              |               |
| Tightening torque                   | 0,6 Nm        |
| Family construction form            | M12           |
| Thread                              | M12 x 1       |
| Coding                              | A             |
| No. of poles                        | 5             |
| 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                                | 4048879084369 |
| Verpakkingseenheid                  | 1             |
| Electrical data   Supply            |               |
| Operating voltage AC max.           | 125 V         |
| Operating voltage DC max.           | 125 V         |
| Current operating per contact max.  | 4 A           |
| Diagnostics                         |               |

Status indication LED no

#### 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                     | 437                                                            |
| Printing color of wire insulation        | white (isolation black)                                        |
| Jacket Color                             | gray                                                           |
| Amount stranding                         | 1                                                              |
| Stranding                                | 5 wires around Core filler twisted                             |
| Stranding factor min.                    | 75 mm                                                          |
| Stranding factor max.                    | 75 mm                                                          |
| Banding                                  | Fleece                                                         |
| Filler                                   | yes                                                            |
| wire arrangement                         | black 4, black 3, black 2, black 1, green-yellow               |
| Cable weight                             | 57,2 g/m                                                       |
| Material jacket                          | PUR                                                            |
| Shore hardness jacket                    | 85 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                  | 6,2 mm                                                         |
| Tolerance outer diameter (sheath)        | ± 5 %                                                          |
| Material wire insulation                 | PP                                                             |
| Amount wires                             | 5                                                              |
| Outer diameter insulation                | 1,7 mm                                                         |
| Outer diameter tolerance core insulation | ± 5 %                                                          |
| Shore hardness wire insulation           | 90 ± 5 Shore A                                                 |
| Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Printing color of wire insulation        | white (isolation black)                                        |
| Amount strands (wire)                    | 28                                                             |
| Diameter of single wires                 | 0,15 mm                                                        |
| Conductor crosssection (wire)            | 0,5 mm²                                                        |
| Material conductor wire                  | Stranded copper wire, bare                                     |
| Conductor type (wire)                    | strand class 6                                                 |
| Traversing distance (C-track)            | 2 m @ 25 °C                                                    |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Nominal voltage AC max.                           | 300 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 6,8 A                                                |
| Electrical resistance line constant wire          | 39 $\Omega$ /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)              | -5 °C                                                |
| Operating temperature max. (dynamic)              | 90 °C                                                |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| 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)                            | 2 Mio. @ 25 °C                                       |