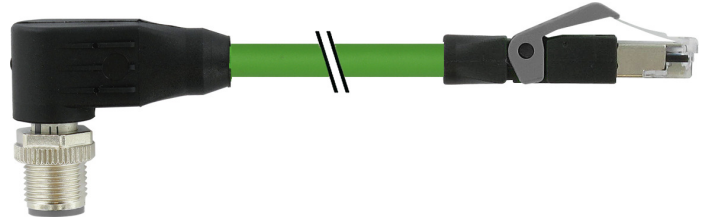


### Overview

- M12, male, 90°, D-coded, 4-poles; PUR, 1500 cm, shielded; RJ45, male, D-coded, 4-poles
- Dragchain capable, CAT5, 100 Mbit/s
- Head A: IP67; Head B: IP20
- Cable: good resistance against flames, oils
- Halogen free



### Technical data

#### Side A

|                              |                                       |
|------------------------------|---------------------------------------|
| Head A: Connection           | M12                                   |
| Head A: Angle cable outlet   | 90°                                   |
| Head A: Gender               | Male                                  |
| Head A: Coding               | D                                     |
| Head A: No. of poles         | 4                                     |
| Head A: LED                  | No                                    |
| Head A: Width across flats   | AF13                                  |
| Head A: Tightening torque    | 0.6 Nm                                |
| Head A: Knurled nut material | Zinc-pressure die casting, surface Ni |
| Head A: Body color           | Black                                 |
| Labeling sleeve side A       | Yes                                   |
| Head A: Contact layout pin 1 | YE                                    |
| Head A: Contact layout pin 2 | WH                                    |
| Head A: Contact layout pin 3 | OG                                    |
| Head A: Contact layout pin 4 | BU                                    |

#### Side B

|                              |       |
|------------------------------|-------|
| Head B: Connection           | RJ45  |
| Head B: Angle cable outlet   | 0°    |
| Head B: Gender               | Male  |
| Head B: Coding               | C     |
| Head B: No. of poles         | 4     |
| Head B: LED                  | No    |
| Head B: Body color           | Black |
| Labeling sleeve side B       | Yes   |
| Head B: Contact layout pin 1 | YE    |
| Head B: Contact layout pin 2 | OG    |
| Head B: Contact layout pin 3 | WH    |
| Head B: Contact layout pin 6 | BU    |

#### Cables

|              |         |
|--------------|---------|
| Cable length | 1500 cm |
| Shielded     | Yes     |

#### Cables

|                           |             |
|---------------------------|-------------|
| AWG                       | 22          |
| External sheath: Material | PUR         |
| External sheath: Color    | Green       |
| Cable diameter            | 6.7 mm ± 5% |
| Wire cross section        | 0.382 mm²   |
| Cable: Halogen free       | Yes         |

#### Cable

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Operating voltage (only UL listed) | 30 V AC/DC                        |
| Shielded                           | Yes                               |
| Transmission rate                  | 100 MBit/s                        |
| Bending radius (fixed)             | 33.5 mm                           |
| Number of wires                    | 4                                 |
| Number and diameter of wires       | 4x0.38                            |
| Cable length                       | 1500 cm                           |
| AWG                                | 22                                |
| Cable diameter                     | 6.7 mm ± 5%                       |
| Conductor: Material                | Copper, tinned                    |
| External sheath: Material          | PUR                               |
| Insulation: Material               | PE                                |
| Shielding: Material                | Copper, tinned                    |
| Paired stranding                   | No                                |
| Torsion stress in °                | ± 180 °/m                         |
| Total stranding                    | 4 wires strand around core-filler |
| Wire cross section                 | 0.382 mm²                         |
| Wire processing                    | No                                |
| External sheath: Color             | Green                             |

#### Electrical data

|                                    |            |
|------------------------------------|------------|
| Operating voltage (only UL listed) | 30 V AC/DC |
|------------------------------------|------------|

#### Mechanical data

|                              |           |
|------------------------------|-----------|
| Head A: Degree of protection | IP67      |
| Head B: Degree of protection | IP20      |
| Torsion stress in °          | ± 180 °/m |

#### Environmental conditions

|                           |                 |
|---------------------------|-----------------|
| Temperature range (fixed) | - 25 ...+ 85 °C |
|---------------------------|-----------------|

**Technical data**
**Environmental conditions**

|                                   |                                                                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dragchain capable                 | No                                                                                                                                                                           |
| Head A: Chemical resistance       | No                                                                                                                                                                           |
| Head A: Flame resistance          | HB (UL 94)                                                                                                                                                                   |
| Head A: Oil resistance            | Good resistance to ASTM 1 oil and mineral oils. Limited resistance to hydraulic oils. If other oils are used, the resistance must be checked in relation to the application. |
| Head A: Acid and alkali resistant | No                                                                                                                                                                           |
| Head A: Pollution degree          | 3                                                                                                                                                                            |
| Head B: Chemical resistance       | No                                                                                                                                                                           |
| Head B: Flame resistance          | HB (UL 94)                                                                                                                                                                   |

**Environmental conditions**

|                                   |                                                                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Head B: Oil resistance            | Good resistance to ASTM 1 oil and mineral oils. Limited resistance to hydraulic oils. If other oils are used, the resistance must be checked in relation to the application. |
| Head B: Acid and alkali resistant | No                                                                                                                                                                           |
| Head B: Pollution degree          | 3                                                                                                                                                                            |
| Cable: Flame resistance           | Conform UL 1581 §1090, §1100 (FT2)                                                                                                                                           |
| Cable: Oil resistance             | Conform IEC 60811-2-1, ICEA S-82-552                                                                                                                                         |
| Cable: Silicone-free              | Yes                                                                                                                                                                          |
| Cable: UV resistance              | Yes                                                                                                                                                                          |

**Commercial data**

|        |          |
|--------|----------|
| Eclass | 27061801 |
|--------|----------|