

## Overview

- M12, male, D-coded, 4-poles; PUR, 1000 cm, shielded; M12, male, D-coded, 4-poles
- Dragchain capable
- Head A: IP65, IP66K, IP67; Head B: IP65, IP66K, IP67
- Cable: good resistance against flames, oils
- Halogen free



## Technical data

### Side A

|                              |                                       |
|------------------------------|---------------------------------------|
| Head A: Connection           | M12                                   |
| Head A: Angle cable outlet   | 0°                                    |
| Head A: Gender               | Male                                  |
| Head A: Coding               | D                                     |
| Head A: No. of poles         | 4                                     |
| Head A: LED                  | No                                    |
| Head A: Width across flats   | SW13                                  |
| 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                                   |

### Side B

|                              |                                       |
|------------------------------|---------------------------------------|
| Head B: Connection           | M12                                   |
| Head B: Angle cable outlet   | 0°                                    |
| Head B: Gender               | Male                                  |
| Head B: Coding               | D                                     |
| Head B: No. of poles         | 4                                     |
| Head B: LED                  | No                                    |
| Head B: Width across flats   | SW13                                  |
| Head B: Tightening torque    | 0.6 Nm                                |
| Head B: Knurled nut material | Zinc-pressure die casting, surface Ni |
| Head B: Body color           | Black                                 |
| Labeling sleeve side B       | Yes                                   |

### Cables

|                           |                       |
|---------------------------|-----------------------|
| Cable length              | 1000 cm               |
| Length tolerance          | ± 15 cm               |
| Shielded                  | Yes                   |
| Conductor structure       | 7 × 0.254 mm          |
| AWG                       | 22                    |
| External sheath: Material | PUR                   |
| External sheath: Color    | Green                 |
| Cable diameter            | 6.7 mm ± 5%           |
| Wire cross section        | 0.355 mm <sup>2</sup> |

### Electrical data

|                                    |              |
|------------------------------------|--------------|
| Operating voltage                  | max. 60 V DC |
| Operating voltage (only UL listed) | 30 V DC      |

### Electrical data

|                               |              |
|-------------------------------|--------------|
| Nominal voltage               | 300 V        |
| Contact resistance            | max. 30 mOhm |
| Operating current per contact | max. 4 A     |

### Mechanical data

|                                 |                          |
|---------------------------------|--------------------------|
| Head A: Degree of protection    | IP65, IP66K, IP67        |
| Head B: Degree of protection    | IP65, IP66K, IP67        |
| Bending radius (mobile)         | min. 12 × outer diameter |
| Bending radius (fixed)          | min. 5 × outer diameter  |
| No. of bending cycles (C-track) | approx. 3000000 Cycles   |
| Acceleration (C-track)          | max. 2 m/s <sup>2</sup>  |
| Travel speed (C-track)          | max. 3.3 m/s             |

### Environmental conditions

|                                   |  |
|-----------------------------------|--|
| Temperature range (mobile)        | - 25 ...+ 70 °C  |
| Temperature range (fixed)         | - 25 ...+ 80 °C  |
| Cable: Temperature range (fixed)  | - 40 ...+ 80 °C  |
| Dragchain capable                 | Yes  |
| Head A: Chemical resistance       | No   |
| Head A: Flame resistance          | HB (UL 94)   |
| Head A: Oil resistance            | ASTM 1 oil, mineral oils, limited to hydraulic oils    |
| Head A: Acid and alkali resistant | No   |
| Head A: Pollution degree          | 3  |
| Head B: Chemical resistance       | No   |
| Head B: Flame resistance          | HB (UL 94)   |
| Head B: Oil resistance            | ASTM 1 oil, mineral oils, limited to hydraulic oils    |
| Head B: Acid and alkali resistant | No   |
| Head B: Pollution degree          | 3  |
| Cable: Flame resistance           | Conform UL 1581 §1090, §1100 (FT2); IEC 60332-1-2 Std. |

## Technical data

### Environmental conditions

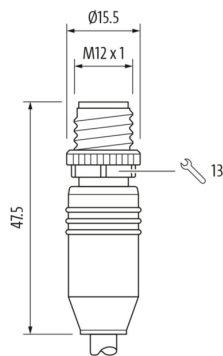
Cable: Oil resistance Conform IEC 60811-2-1, ASTM IRM 901, ICEA S-82-552 Std.

### Environmental conditions

Cable: Silicone-free Yes

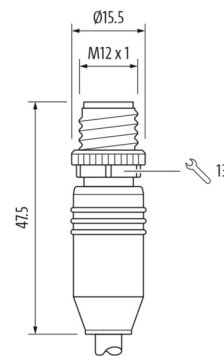
## Side A

### Technical drawing

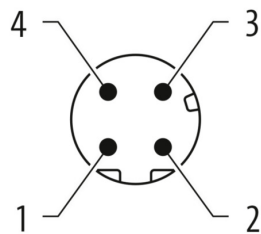


## Side B

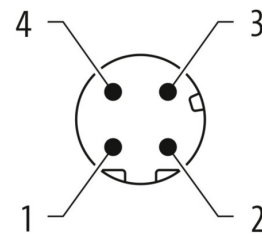
### Technical drawing



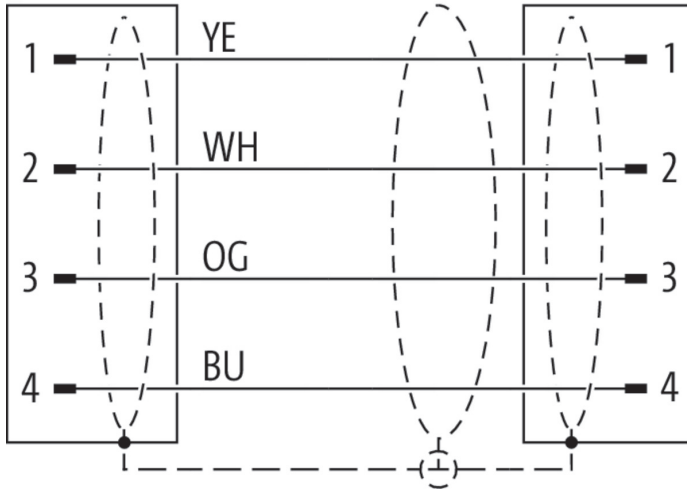
## Coding



## Coding



Connection diagram



Dimension drawing

