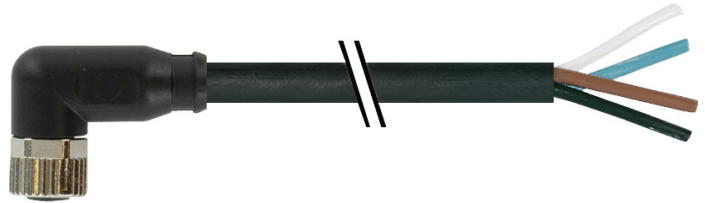


## Overview

- M8, female, 90°, A-coded, 4-pin; PUR, 1500 cm, free cable end
  - Dragchain capable
  - Head A: IP65, IP66K, IP67
  - Cable: good resistance against chemicals and oils
  - Halogen free
- Cable outlet to inlay 180°



## Technical data

### Side A

|                               |                                       |
|-------------------------------|---------------------------------------|
| Head A: Connection            | M8                                    |
| Head A: Angle cable outlet    | 90°                                   |
| Head A: Cable outlet to inlay | 180°                                  |
| Head A: Gender                | Female                                |
| Head A: Coding                | A                                     |
| Head A: No. of poles          | 4                                     |
| Head A: LED                   | No                                    |
| Head A: Width across flats    | AF9                                   |
| Head A: Tightening torque     | 0.4 Nm                                |
| Head A: Knurled nut material  | Zinc-pressure die casting, surface Ni |
| Head A: Body color            | Black                                 |
| Head A: Gasket material       | FKM                                   |
| Labeling sleeve side A        | Yes                                   |

### Side B

|                    |                  |
|--------------------|------------------|
| Head B: Connection | Open-ended wires |
|--------------------|------------------|

### Cables

|                           |                      |
|---------------------------|----------------------|
| Cable length              | 1500 cm              |
| Stripping length          | 20 mm                |
| Shielded                  | No                   |
| Conductor structure       | 32 × 0.1 mm          |
| AWG                       | 24                   |
| External sheath: Material | PUR                  |
| External sheath: Color    | Black                |
| Cable diameter            | 4.5 mm ± 5%          |
| Wire cross section        | 0.25 mm <sup>2</sup> |

### Cable

|                                    |                 |
|------------------------------------|-----------------|
| External sheath: Shore hardness    | 90 ± 5 A        |
| Cable: Temperature range (mobile)  | - 25 ...+ 80 °C |
| Cable: Temperature range (fixed)   | - 40 ...+ 80 °C |
| Operating voltage (only UL listed) | 30 V AC/DC      |
| Shielded                           | No              |
| Bending radius (fixed)             | 22.5 mm         |
| Number of wires                    | 4               |

### Cable

|                                 |                          |
|---------------------------------|--------------------------|
| Number and diameter of wires    | 4x0.25                   |
| Cable length                    | 1500 cm                  |
| Acceleration (C-track)          | max. 10 m/s <sup>2</sup> |
| AWG                             | 24                       |
| Torsion speed                   | max. 35 cycles/min       |
| Bending radius (mobile)         | 45 mm ± 5%               |
| Cable type                      | 3                        |
| Cable weight                    | approx. 33 g/m           |
| Wire 1: Color                   | BN                       |
| Wire 2: Color                   | BK                       |
| Wire 3: Color                   | BU                       |
| Wire 4: Color                   | WH                       |
| Conductor structure             | 32 × 0.1 mm              |
| Cable diameter                  | 4.5 mm ± 5%              |
| Conductor: Material             | Copper, bare             |
| External sheath: Material       | PUR                      |
| Insulation: Material            | PP                       |
| No. of bending cycles (C-track) | approx. 10000000 Cycles  |
| Nominal voltage                 | 300 V                    |
| No. of torsion cycles           | approx. 20000000 Cycles  |
| Paired stranding                | No                       |
| Single wire diameter            | 0.1 mm                   |
| Cable: Test voltage             | 2.5 kV 0                 |
| Torsion stress in °             | ± 180 °/m                |
| Total stranding                 | 4 wires strand           |
| Travel speed (C-track)          | max. 3 m/s               |
| Traversing path (horizontal)    | max. 10 m                |
| Wire cross section              | 0.25 mm <sup>2</sup>     |
| Wire processing                 | No                       |
| Wire diameter incl. isolation   | 1.25 mm ± 5%             |
| External sheath: Color          | Black                    |

### Electrical data

|                                    |              |
|------------------------------------|--------------|
| Operating voltage                  | 50 V AC/DC 0 |
| Operating voltage (only UL listed) | 30 V AC/DC   |
| Nominal voltage                    | 300 V        |
| Contact resistance                 | max. 30 mOhm |

**Technical data**
**Electrical data**

|                               |          |
|-------------------------------|----------|
| Operating current per contact | max. 4 A |
|-------------------------------|----------|

**Mechanical data**

|                                 |                          |
|---------------------------------|--------------------------|
| Head A: Degree of protection    | IP65, IP66K, IP67        |
| Bending radius (mobile)         | 45 mm $\pm$ 5%           |
| No. of bending cycles (C-track) | approx. 10000000 Cycles  |
| Torsion speed                   | max. 35 cycles/min       |
| Torsion stress in °             | $\pm$ 180 °/m            |
| No. of torsion cycles           | approx. 20000000 Cycles  |
| Acceleration (C-track)          | max. 10 m/s <sup>2</sup> |
| Travel speed (C-track)          | max. 3 m/s               |

**Environmental conditions**

|                            |                 |
|----------------------------|-----------------|
| Temperature range (mobile) | - 25 ...+ 80 °C |
| Temperature range (fixed)  | - 25 ...+ 85 °C |

**Environmental conditions**

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| 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                                                   |
| Cable: Chemical resistance        | Good (DIN EN 60811-404)                             |
| Cable: Flame resistance           | Conform UL 1581 §1090 (H)                           |
| Cable: Oil resistance             | Good (DIN EN 60811-404)                             |
| Cable: Silicone-free              | Yes                                                 |
| Cable: UV resistance              | Yes                                                 |