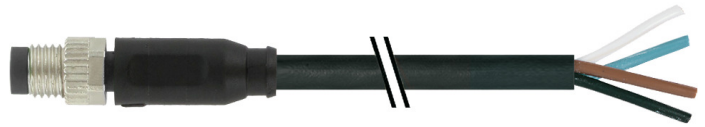


## Overview

- M8, male, A-coded; 4-poles; PUR, 100 cm, open cable end
- Dragchain capable
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames and oils
- Halogen free



## Technical data

### Side A

|                              |                   |
|------------------------------|-------------------|
| Head A: Connection           | M8                |
| Head A: Angle cable outlet   | 0°                |
| Head A: Gender               | Male              |
| 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 | Brass, surface Ni |
| Head A: Body color           | Black             |
| Labeling sleeve side A       | Yes               |
| Head A: Contact layout pin 1 | BN                |
| Head A: Contact layout pin 2 | WH                |
| Head A: Contact layout pin 3 | BU                |
| Head A: Contact layout pin 4 | BK                |

### Side B

|                        |                  |
|------------------------|------------------|
| Head B: Connection     | Open-ended wires |
| Labeling sleeve side B | Yes              |

### Cables

|                           |                      |
|---------------------------|----------------------|
| Cable length              | 100 cm               |
| Stripping length          | 20 mm                |
| Shielded                  | No                   |
| 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: Halogen free       | Yes                  |

### 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                    | 100 cm                   |
| Acceleration (C-track)          | max. 10 m/s <sup>2</sup> |
| AWG                             | 24                       |
| Bending radius (fixed)          | min. 5 × outer diameter  |
| Torsion speed                   | max. 35 cycles/min       |
| Bending radius (mobile)         | min. 10 × outer diameter |
| Cable type                      | 3                        |
| Cable weight                    | approx. 33 g/m           |
| 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. 2000000 Cycles   |
| Paired stranding                | No                       |
| Single wire diameter            | 0.1 mm                   |
| Cable: Test voltage             | 2.5 kV                   |
| Torsion stress in °             | ± 180 °/m                |
| Total stranding                 | 4 wires strand           |
| Travel speed (C-track)          | max. 3 m/s               |
| 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 (only UL listed) | 30 V AC/DC   |
| Nominal voltage                    | 300 V        |
| Contact resistance                 | max. 30 mOhm |

### Mechanical data

|                                 |                          |
|---------------------------------|--------------------------|
| Head A: Degree of protection    | IP65, IP66K, IP67        |
| Bending radius (mobile)         | min. 10 × outer diameter |
| Bending radius (fixed)          | min. 5 × outer diameter  |
| No. of bending cycles (C-track) | approx. 10000000 Cycles  |
| Torsion speed                   | max. 35 cycles/min       |
| Torsion stress in °             | ± 180 °/m                |
| No. of torsion cycles           | approx. 2000000 Cycles   |
| Acceleration (C-track)          | max. 10 m/s <sup>2</sup> |

## Technical data

### Mechanical data

Travel speed (C-track) max. 3 m/s

### Environmental conditions

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

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

### Environmental conditions

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

### Commercial data

Eclass 27060311