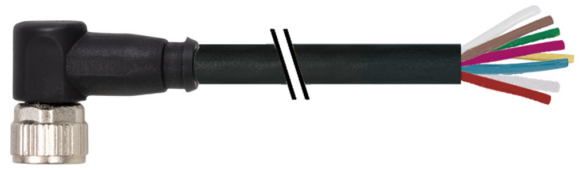


## Overview

- M8, female, A-coded, 8-poles; PUR, 1500 cm, free cable end
- Dragchain capable
- Head A: IP67
- Cable: good resistance against chemicals, flames, oils



## Technical data

### Side A

|                               |                                       |
|-------------------------------|---------------------------------------|
| Head A: Connection            | M8                                    |
| Head A: Angle cable outlet    | 90°                                   |
| Head A: Cable outlet to inlay | 0°                                    |
| Head A: Gender                | Female                                |
| Head A: Coding                | A                                     |
| Head A: No. of poles          | 8                                     |
| 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                                   |
| Head A: Contact layout pin 1  | WH                                    |
| Head A: Contact layout pin 2  | BN                                    |
| Head A: Contact layout pin 3  | GN                                    |
| Head A: Contact layout pin 4  | YE                                    |
| Head A: Contact layout pin 5  | GY                                    |
| Head A: Contact layout pin 6  | PK                                    |
| Head A: Contact layout pin 7  | BU                                    |
| Head A: Contact layout pin 8  | RD                                    |

### Side B

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

### Cables

|                           |             |
|---------------------------|-------------|
| Cable length              | 1500 cm     |
| Length tolerance          | ± 22.5 cm   |
| Stripping length          | 20 mm       |
| Shielded                  | No          |
| Conductor structure       | 18 × 0.1 mm |
| AWG                       | 26          |
| External sheath: Material | PUR         |

### Cables

|                        |             |
|------------------------|-------------|
| External sheath: Color | Black       |
| Cable diameter         | 5.5 mm ± 5% |
| Wire cross section     | 0.14 mm²    |
| Cable: Halogen free    | Yes         |

### Cable

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Cable: Temperature range (mobile)  | - 5 ...+ 60 °C                    |
| Cable: Temperature range (fixed)   | - 30 ...+ 80 °C                   |
| Operating voltage (only UL listed) | 30 V AC/DC                        |
| Shielded                           | No                                |
| Bending radius (fixed)             | 33 mm                             |
| Number of wires                    | 8                                 |
| Number and diameter of wires       | 8x0.14                            |
| Length tolerance                   | ± 22.5 cm                         |
| Cable length                       | 1500 cm                           |
| Acceleration (C-track)             | max. 10 m/s²                      |
| AWG                                | 26                                |
| Bending radius (fixed)             | min. 6 × outer diameter           |
| Bending radius (mobile)            | min. 10 × outer diameter          |
| Conductor structure                | 18 × 0.1 mm                       |
| Cable diameter                     | 5.5 mm ± 5%                       |
| Conductor: Material                | Copper, bare                      |
| External sheath: Material          | PUR                               |
| Insulation: Material               | PP                                |
| No. of bending cycles (C-track)    | approx. 2000000 Cycles            |
| Nominal voltage                    | 300 V                             |
| Operating current per wire         | 1.5 A                             |
| Paired stranding                   | No                                |
| Single wire diameter               | 0.1 mm                            |
| Cable: Test voltage                | 3 kV                              |
| Total stranding                    | 8 wires strand around core-filler |
| Travel speed (C-track)             | max. 5 m/s                        |
| Wire cross section                 | 0.14 mm²                          |
| Wire diameter incl. isolation      | 1.07 mm ± 5%                      |
| External sheath: Color             | Black                             |

### Electrical data

|                   |           |
|-------------------|-----------|
| Operating voltage | max. 30 V |
|-------------------|-----------|

## Technical data

### Electrical data

|                                    |            |
|------------------------------------|------------|
| Operating voltage (only UL listed) | 30 V AC/DC |
| Nominal voltage                    | 300 V      |
| Operating current per contact      | 1.5 A      |

### Mechanical data

|                                 |                          |
|---------------------------------|--------------------------|
| Head A: Degree of protection    | IP67                     |
| Bending radius (mobile)         | min. 10 × outer diameter |
| Bending radius (fixed)          | min. 6 × outer diameter  |
| No. of bending cycles (C-track) | approx. 2000000 Cycles   |
| Acceleration (C-track)          | max. 10 m/s <sup>2</sup> |
| Travel speed (C-track)          | max. 5 m/s               |

### Environmental conditions

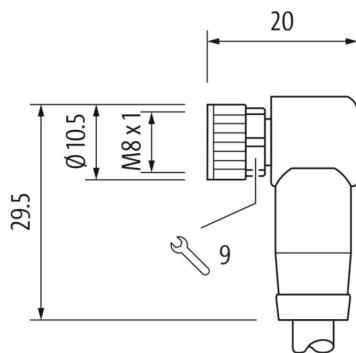
|                                   |                 |
|-----------------------------------|-----------------|
| Temperature range (mobile)        | - 5 ...+ 60 °C  |
| Temperature range (fixed)         | - 25 ...+ 85 °C |
| Cable: Temperature range (fixed)  | - 30 ...+ 80 °C |
| Dragchain capable                 | Yes             |
| Head A: Chemical resistance       | No              |
| Head A: Acid and alkali resistant | No              |
| Head A: Pollution degree          | 3               |
| Cable: UV resistance              | Yes             |

### Commercial data

|        |          |
|--------|----------|
| Eclass | 27060311 |
|--------|----------|

## Side A

### Technical drawing



### Connection diagram

|   |    |
|---|----|
| 1 | WH |
| 2 | BN |
| 3 | GN |
| 4 | YE |
| 5 | GY |
| 6 | PK |
| 7 | BU |
| 8 | RD |

## Coding

