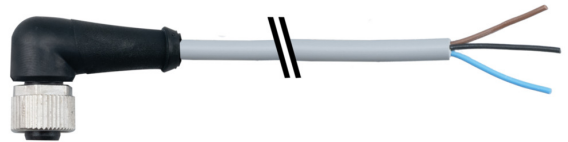


## Overview

- M12, female, 90°, A-coded, 3-poles; PVC, 2000 cm, open cable end
- Head A: IP65, IP66K, IP67



## Technical data

| Side A                            |                                       | Cable                         |                          |
|-----------------------------------|---------------------------------------|-------------------------------|--------------------------|
| Head A: Connection                | M12                                   | Shielded                      | No                       |
| Head A: Angle cable outlet        | 90°                                   | Number of wires               | 3                        |
| Head A: Gender                    | Female                                | Number and diameter of wires  | 3x0.34                   |
| Head A: Coding                    | A                                     | Cable length                  | 2000 cm                  |
| Head A: No. of poles              | 3                                     | AWG                           | 22                       |
| Head A: LED                       | No                                    | Bending radius (fixed)        | min. 5 × outer diameter  |
| Head A: Width across flats        | AF13                                  | Bending radius (mobile)       | min. 10 × outer diameter |
| Head A: Tightening torque         | 0.6 Nm                                | Cable type                    | 1                        |
| Head A: Knurled nut material      | Zinc-pressure die casting, surface Ni | Cable weight                  | approx. 34.1 g/m         |
| Head A: Body color                | Black                                 | Conductor structure           | 19 × 0.15 mm             |
| Head A: Gasket material           | FKM                                   | Cable diameter                | 4.6 mm ± 5%              |
| Labeling sleeve side A            | Yes                                   | Conductor: Material           | Copper, bare             |
| Side B                            |                                       | External sheath: Material     | PVC                      |
| Head B: Connection                | Open-ended wires                      | Insulation: Material          | PVC                      |
| Labeling sleeve side B            | Yes                                   | Nominal voltage               | 300 V AC                 |
| Cables                            |                                       | Paired stranding              | No                       |
| Cable length                      | 2000 cm                               | Single wire diameter          | 0.15 mm                  |
| Stripping length                  | 20 mm                                 | Cable: Test voltage           | 2 kV                     |
| Shielded                          | No                                    | Total stranding               | 3 wires strand           |
| Conductor structure               | 19 × 0.15 mm                          | Wire cross section            | 0.34 mm²                 |
| AWG                               | 22                                    | Wire processing               | No                       |
| External sheath: Material         | PVC                                   | Wire diameter incl. isolation | 1.25 mm ± 5%             |
| External sheath: Color            | Gray                                  | External sheath: Color        | Gray                     |
| Cable diameter                    | 4.6 mm ± 5%                           | Electrical data               |                          |
| Wire cross section                | 0.34 mm²                              | Operating voltage             | max. 250 V AC/DC         |
| Cable                             |                                       | Nominal voltage               | 300 V AC                 |
| Cable: Temperature range (mobile) | - 5 ...+ 80 °C                        | Contact resistance            | max. 30 mOhm             |
| Cable: Temperature range (fixed)  | - 30 ...+ 80 °C                       | Operating current per contact | max. 4 A                 |

**Technical data**
**Mechanical data**

|                              |                          |
|------------------------------|--------------------------|
| Head A: Degree of protection | IP65, IP66K, IP67        |
| Bending radius (mobile)      | min. 10 × outer diameter |
| Bending radius (fixed)       | min. 5 × outer diameter  |

**Environmental conditions**

|                                  |                 |
|----------------------------------|-----------------|
| Temperature range (mobile)       | - 5 ...+ 80 °C  |
| Temperature range (fixed)        | - 25 ...+ 80 °C |
| Cable: Temperature range (fixed) | - 30 ...+ 80 °C |
| Dragchain capable                | No              |
| Head A: Chemical resistance      | No              |
| Head A: Flame resistance         | HB (UL 94)      |

**Environmental conditions**

|                                   |                                                                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                            |
| Cable: Chemical resistance        | Good                                                                                                                                                                         |
| Cable: Flame resistance           | Conform UL 1581 VW-1                                                                                                                                                         |
| Cable: Oil resistance             | Good                                                                                                                                                                         |
| Cable: Silicone-free              | Yes                                                                                                                                                                          |

**Commercial data**

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