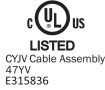


**Overview**

- M12, Male, A-coded, 4-poles; PVC, shielded, 300 cm, free cable end
- For static applications
- Head A: IP65, IP66K, IP67
- Cable: good resistance against chemicals, flames



**Technical data**

**Side A**

|                              |                                       |
|------------------------------|---------------------------------------|
| Head A: Connection           | M12                                   |
| 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   | AF13                                  |
| 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     | Open-ended wires |
| Labeling sleeve side B | Yes              |

**Cables**

|                           |                      |
|---------------------------|----------------------|
| Cable length              | 300 cm               |
| Length tolerance          | + 10 cm              |
| Stripping length          | 20 mm                |
| Shielded                  | Yes                  |
| Conductor structure       | 19 × 0.15 mm         |
| AWG                       | 22                   |
| External sheath: Material | PVC                  |
| External sheath: Color    | Black                |
| Cable diameter            | 5.3 mm ± 5%          |
| Wire cross section        | 0.34 mm <sup>2</sup> |

**Cable**

|                                    |                 |
|------------------------------------|-----------------|
| External sheath: Shore hardness    | 85 ± 5 A        |
| Cable: Temperature range (mobile)  | - 5 ...+ 80 °C  |
| Cable: Temperature range (fixed)   | - 30 ...+ 80 °C |
| Operating voltage (only UL listed) | 30 V AC/DC      |
| Shielded                           | Yes             |
| Shielding: Covering                | approx. 80 %    |
| Bending radius (fixed)             | 53 mm           |
| Number of wires                    | 4               |
| Number and diameter of wires       | 4x0.34          |

**Cable**

|                               |                          |
|-------------------------------|--------------------------|
| Length tolerance              | + 10 cm                  |
| Cable length                  | 300 cm                   |
| AWG                           | 22                       |
| Bending radius (fixed)        | min. 10 × outer diameter |
| Cable type                    | 1                        |
| Cable weight                  | approx. 58.3 g/m         |
| Conductor structure           | 19 × 0.15 mm             |
| Cable diameter                | 5.3 mm ± 5%              |
| Conductor: Material           | Copper, bare             |
| External sheath: Material     | PVC                      |
| Insulation: Material          | PVC                      |
| Shielding: Material           | Copper, tinned           |
| Nominal voltage               | 300 V AC                 |
| Paired stranding              | No                       |
| Single wire diameter          | 0.15 mm                  |
| Cable: Test voltage           | 2 kV 0                   |
| Total stranding               | 4 wires strand           |
| Wire cross section            | 0.34 mm <sup>2</sup>     |
| Wire processing               | No                       |
| Wire diameter incl. isolation | 1.25 mm ± 5%             |
| External sheath: Color        | Black                    |

**Electrical data**

|                                    |                   |
|------------------------------------|-------------------|
| Operating voltage                  | max. 60 V AC/DC 0 |
| Operating voltage (only UL listed) | 30 V AC/DC        |
| Nominal voltage                    | 300 V AC          |
| Contact resistance                 | max. 30 mOhm      |
| Operating current per contact      | max. 4 A          |

**Mechanical data**

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

**Technical data**

**Environmental conditions**

|                                   |   |
|-----------------------------------|---|
| 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   |

**Environmental conditions**

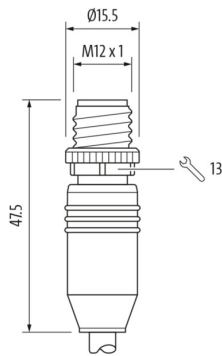
|                            |  |
|----------------------------|--|
| Cable: Chemical resistance | Good   |
| Cable: Flame resistance    | Conform UL 1581 VW-1, CSA FT1, IEC 60332-1-2 |
| Cable: Oil resistance      | Good   |
| Cable: Silicone-free       | Yes  |

**Commercial data**

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

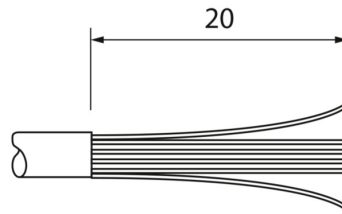
**Side A**

**Technical drawing**

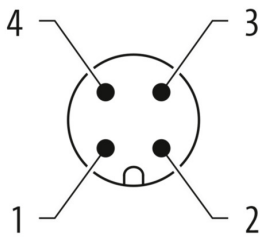


**Side B**

**Technical drawing**



**Coding**



**Connection diagram**

