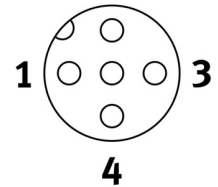


# Connecting cable SIM-M12-3WD-5-PU

Part number: 159431

**FESTO**



## Data sheet

| Feature                                              | Value                                                                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Type code                                            | SIM                                                                                                                           |
| Conforms to standard                                 | EN 61076-2-101<br>EN 61984                                                                                                    |
| Electrical connection                                | 5-pin/3-wire<br>Angled socket/open end<br>M12x1 / -                                                                           |
| DC operating voltage range                           | 0 V ... 250 V                                                                                                                 |
| Operating voltage range AC                           | 0 V ... 250 V                                                                                                                 |
| Current rating at 40°C                               | 4 A                                                                                                                           |
| Surge resistance                                     | 2.5 kV                                                                                                                        |
| Cable length                                         | 5 m                                                                                                                           |
| Cable characteristic                                 | Standard                                                                                                                      |
| Connector cable test conditions                      | Flexural strength: as per Festo standard<br>Test conditions on request<br>Cable chain: 5 million cycles, bending radius 75 mm |
| Cable diameter                                       | 3.8 mm                                                                                                                        |
| Cable design                                         | 3 x 0.25 mm <sup>2</sup>                                                                                                      |
| Nominal conductor cross section                      | 0.25 mm <sup>2</sup>                                                                                                          |
| Wire insulation color code                           | Blue<br>Brown<br>Black                                                                                                        |
| Degree of protection                                 | IP65<br>IP68                                                                                                                  |
| Ambient temperature                                  | -25 °C ... 80 °C                                                                                                              |
| Ambient temperature with flexible cable installation | -5 °C ... 80 °C                                                                                                               |
| CE marking (see declaration of conformity)           | As per EU low voltage directive<br>As per EU RoHS directive                                                                   |
| Note on materials                                    | RoHS-compliant<br>Halogen-free<br>Free of phosphoric acid ester                                                               |
| Contamination level                                  | 3                                                                                                                             |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress                                                                                                 |
| Material of cable sheath                             | TPE-U(PU)                                                                                                                     |
| Color cable sheath                                   | Gray                                                                                                                          |
| Housing material                                     | TPE-U(PU)                                                                                                                     |
| Housing colour                                       | Black                                                                                                                         |

| Feature                    | Value                  |
|----------------------------|------------------------|
| Material of union nut      | Brass<br>Nickel-plated |
| Seals material             | NBR                    |
| Material of pin contacts   | Brass, gold-plated     |
| Insulating sheath material | PP                     |
| Symbol                     | 00991867               |
| Plug coding                | A                      |