

# Connecting cable NEBL-M8G4-E-0.3-N-M8G4

Part number: 8082904

FESTO



 General operating condition

## Data sheet

| Feature   | Value   |
|---|---|
| Conforms to standard                                  | EN 61076-2-104  |
| Certification   | c UL us - Listed (OL)   |
| Explosion prevention and protection                   | Observe the information on the certificate<br>Zone 2 (ATEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                         | UL E253748  |
| Cable designation                                     | Without label holder  |
| Product weight  | 31 g  |
| Electrical connection 1, function                     | Field device end  |
| Electrical connection 1, design                       | Round   |
| Electrical connection 1, connection type              | Socket  |
| Electrical connection 1, cable outlet                 | Straight  |
| Electrical connection 1, connection technology        | M8x1 A-coded as per EN 61076-2-104  |
| Electrical connection 1, number of pins/wires         | 4   |
| Electrical connection 1, occupied pins/wires          | 4   |
| Electrical connection 1, type of mounting             | Screw-type lock with hexagon AF 9 and longitudinal knurl                      |
| Electrical connection for input 1, connection pattern | 00991872  |
| Electrical connection 2, function                     | Control side  |
| Electrical connection 2, design                       | Round   |
| Electrical connection 2, connection type              | Plug  |
| Electrical connection 2, cable outlet                 | Straight  |
| Electrical connection 2, connection technology        | M8x1 A-coded as per EN 61076-2-104  |
| Electrical connection 2, number of pins/wires         | 4   |
| Electrical connection 2, occupied pins/wires          | 4   |
| Electrical connection 2, type of mounting             | Screw-type lock with hexagon AF 9 and longitudinal knurl                      |
| Electrical connection 2, connection pattern           | 00991171  |
| DC operating voltage range                            | 0 V ... 30 V  |
| Nominal operating voltage DC                          | 24 V  |
| Operating voltage range AC                            | 0 V ... 30 V  |
| Nominal operating voltage AC                          | 24 V  |
| Current rating at 40° C                               | 5.2 A   |
| Surge resistance                                      | 0.8 kV  |
| Protective earth connection                           | Not available   |
| Shield  | no  |
| Cable length  | 0.3 m   |
| Cable characteristic                                  | Suitable for energy chains  |

| Feature  | Value                          |
|--|--------------------------------|
| Connector cable test conditions                      | Test conditions on request     |
| Bending radius, fixed cable installation             | ≥15 mm                         |
| Bending radius, flexible cable installation          | ≥50 mm                         |
| Cable diameter                                       | 4.8 mm                         |
| Cable diameter tolerance                             | ± 0.15 mm                      |
| Cable design   | 4 x 0.5 mm <sup>2</sup>        |
| Nominal conductor cross section                      | 0.5 mm <sup>2</sup>            |
| Degree of protection                                 | IP65<br>IP67<br>IP69K          |
| Note on degree of protection                         | In mounted state               |
| Special features                                     | Oil-resistant                  |
| Ambient temperature                                  | -40 °C ... 90 °C               |
| Ambient temperature with flexible cable installation | -20 °C ... 90 °C               |
| Storage temperature                                  | -40 °C ... 90 °C               |
| CE marking (see declaration of conformity)           | As per EU RoHS directive       |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions        |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                 |
| Note on materials                                    | RoHS-compliant<br>Halogen-free |
| Contamination level                                  | 3                              |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress  |
| Material of cable sheath                             | TPE-U(PUR)                     |
| Color cable sheath                                   | Black                          |
| Housing material                                     | TPE-U(PUR)                     |
| Housing colour                                       | Black                          |
| Material of screw-type lock                          | Brass, nickel-plated           |
| Seals material                                       | FPM                            |
| Material of pin contacts                             | Copper alloy, gold-plated      |
| Insulating sheath material                           | PP                             |