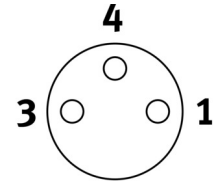


# Connecting cable NEBU-M8G3-K-2.5-LE3

Part number: 541333

FESTO



## Data sheet

| Feature                                               | Value                                                                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Type code                                             | NEBU                                                                                                                          |
| Conforms to standard                                  | Wire colors and connection numbers as per EN 60947-5-2<br>EN 61076-2-104                                                      |
| Explosion prevention and protection                   | Observe the information on the certificate<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)                                                 |
| Cable designation                                     | With 2x label holders                                                                                                         |
| Product weight                                        | 64 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         | 3                                                                                                                             |
| Electrical connection 1, occupied pins/wires          | 3                                                                                                                             |
| Electrical connection 1, type of mounting             | Screw-type lock                                                                                                               |
| Electrical connection for input 1, connection pattern | 00991871                                                                                                                      |
| Electrical connection 2, function                     | Control side                                                                                                                  |
| Electrical connection 2, connection type              | Cable                                                                                                                         |
| Electrical connection 2, connection technology        | Open end                                                                                                                      |
| Electrical connection 2, number of pins/wires         | 3                                                                                                                             |
| Electrical connection 2, occupied pins/wires          | 3                                                                                                                             |
| DC operating voltage range                            | 0 V ... 60 V                                                                                                                  |
| Operating voltage range AC                            | 0 V ... 60 V                                                                                                                  |
| Current rating at 40°C                                | 3 A                                                                                                                           |
| Surge resistance                                      | 1.5 kV                                                                                                                        |
| Cable length                                          | 2.5 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 |
| Bending radius, fixed cable installation              | 12 mm                                                                                                                         |
| Bending radius, flexible cable installation           | 39 mm                                                                                                                         |
| Cable diameter                                        | 3.8 mm                                                                                                                        |
| Cable diameter tolerance                              | ± 0.1 mm                                                                                                                      |

| Feature                                              | Value                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Cable design                                         | 3 x 0.25 mm <sup>2</sup>                                                                   |
| Nominal conductor cross section                      | 0.25 mm <sup>2</sup>                                                                       |
| Degree of protection                                 | IP65<br>IP68<br>IP69K                                                                      |
| Note on degree of protection                         | In mounted state                                                                           |
| Special features                                     | Oil-resistant                                                                              |
| Ambient temperature                                  | -25 °C ... 70 °C                                                                           |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                                                                            |
| CE marking (see declaration of conformity)           | As per EU low voltage directive<br>As per EU RoHS directive                                |
| Note on materials                                    | Free of copper and PTFE<br>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(PUR)                                                                                 |
| Color cable sheath                                   | Gray                                                                                       |
| Housing material                                     | TPE-U(PUR)                                                                                 |
| Housing colour                                       | Black                                                                                      |
| Material of screw-type lock                          | Brass, nickel-plated                                                                       |
| Seals material                                       | NBR                                                                                        |
| Material of pin contacts                             | Copper alloy, gold-plated                                                                  |
| Insulating sheath material                           | PP                                                                                         |