

# connecting cable

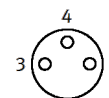
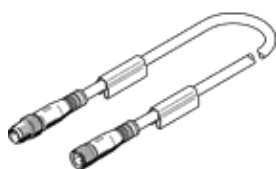
## NEBU-M8G3-K-1-M8G3

Part number: 541347

★ Core product range

for proximity sensors, position transmitter, pressure switch, flow sensors, visual and inductive sensors.

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Conforms to standard                                 | Core colours and connection numbers to EN 60947-5-2<br>EN 61076-2-104  |
| Cable identification                                 | with 2x label holders  |
| Product weight                                       | 33 g   |
| Electrical connection 1, function                    | Field device side  |
| Electrical connection 1, design                      | Round  |
| Electrical connection 1, connection type             | Plug socket  |
| Electrical connection 1, cable outlet                | Straight   |
| Electrical connection 1, connection technology       | M8x1, A-coded to 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 lock   |
| Electrical connection 2, function                    | Controller 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 to EN 61076-2-104  |
| Electrical connection 2, number of pins/wires        | 3  |
| Electrical connection 2, occupied pins/wires         | 3  |
| Electrical connection 2, type of mounting            | Screw lock   |
| Operating voltage range DC                           | 0 ... 60 V   |
| Operating voltage range AC                           | 0 ... 60 V   |
| Acceptable current load at 40°C                      | 3 A  |
| Surge strength                                       | 1.5 kV   |
| Cable length   | 1 m  |
| Cable attribute                                      | Standard   |
| Test conditions of cable                             | Bending strength according to Festo standard<br>Test conditions on request<br>Energy 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   |
| Cable structure                                      | 3x0,25   |
| Nominal conductor cross-section                      | 0.25 mm <sup>2</sup>   |
| Protection class                                     | IP65<br>IP68<br>IP69K  |
| Note on degree of protection                         | in assembled condition   |
| Special characteristics                              | Oil resistant  |
| Ambient temperature                                  | -25 ... 70 °C  |
| Ambient temperature with flexible cable installation | -5 ... 70 °C   |
| CE mark (see declaration of conformity)              | to EU directive low-voltage devices  |

| Feature                                      | Value  |
|--|--|
|  | in accordance with EU RoHS directive                                   |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment<br>To UK RoHS instructions |
| PWIS conformity                              | VDMA24364-B2-L   |
| Materials note                               | Conforms to RoHS<br>Halogen-free<br>Free of phosphoric acid ester      |
| Degree of contamination                      | 3  |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress  |
| Material cable sheath                        | TPE-U(PUR)   |
| Cable sheath colour                          | Grey   |
| Material housing                             | TPE-U(PUR)   |
| Housing colour                               | Black  |
| Material screw-type lock                     | Nickel-plated brass  |
| Material seals                               | NBR  |
| Material electrical contact                  | Gold-plated copper alloy   |
| Material insulation                          | PP   |