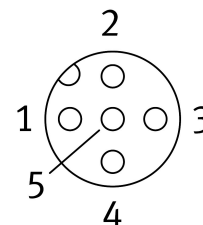
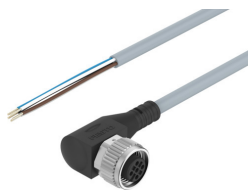


# Connecting cable NEBU-M12W5-K-2.5-LE5

Part number: 567843

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                           | EN 61076-2-101  |
| 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                                 | 79 g  |
| Electrical connection 1, function              | Field device end  |
| Electrical connection 1, design                | Round   |
| Electrical connection 1, connection type       | Socket  |
| Electrical connection 1, cable outlet          | Angled  |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101   |
| Electrical connection 1, number of pins/wires  | 5   |
| Electrical connection 1, occupied pins/wires   | 5   |
| Electrical connection 1, type of mounting      | Screw-type lock   |
| 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  | 5   |
| Electrical connection 2, occupied pins/wires   | 5   |
| DC operating voltage range                     | 0 V...60 V  |
| Operating voltage range AC                     | 0 V...60 V  |
| Current rating at 40° C                        | 4 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>Energy chain > 5 million cycles, bending radius 75 mm |
| Bending radius, fixed cable installation       | 14 mm   |
| Bending radius, flexible cable installation    | 46 mm   |
| Cable diameter                                 | 4.5 mm  |

| Feature  | Value  |
|--|--|
| Cable diameter tolerance                             | ± 0.1 mm   |
| Cable design   | 5 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            |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions<br>To UK instructions for electrical equipment |
| LABS (PWIS) conformity                               | VDMA24364-B2-L   |
| 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(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   |