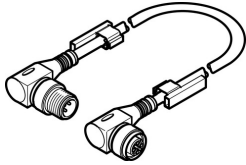


# Connecting cable NEBU-M12W5-K-0.5-M12W5

Part number: 570733

FESTO



 General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                                 | EN 61076-2-101  |
| Explosion protection                                 | The information in the certificate must be observed!<br>Zone 2 (ATEX)<br>Zone 22 (ATEX)                                     |
| Cable designation                                    | With 2x inscription label holders   |
| Product weight                                       | 38 g  |
| Electrical connection 1, function                    | Field device side   |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Socket  |
| Electrical connection 1, cable outlet                | Angled  |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101  |
| Electrical connection 1, number of connections/cores | 5   |
| Electrical connection 1, used connections/cores      | 5   |
| Electrical connection 1, type of mounting            | Screw-type lock   |
| Electrical connection 1, connection pattern          | 00995384  |
| Electrical connection 2, function                    | Controller side   |
| Electrical connection 2, design                      | Round   |
| Electrical connection 2, connection type             | Plugs   |
| Electrical connection 2, cable outlet                | Angled  |
| Electrical connection 2, connector system            | M12x1, A-coded to EN 61076-2-101  |
| Electrical connection 2, number of connections/cores | 5   |
| Electrical connection 2, used connections/cores      | 5   |
| electrical connection 2, type of mounting            | Screw-type lock   |
| Electrical connection 2, connection pattern          | 00995383  |
| Operational voltage range DC                         | 0 V ... 60 V  |
| Operational voltage range AC                         | 0 V ... 60 V  |
| Current rating at 40° C                              | 4 A   |
| Immunity to surge                                    | 1.5 kV  |
| Cable length   | 0.5 m   |
| Cable characteristic                                 | Standard  |
| Test conditions cable                                | Bending strength: to Festo standard<br>Test conditions on request<br>Energy chain: > 5 million cycles, bending radius 75 mm |
| Bending radius, fixed cable                          | 14 mm   |
| Bending radius, moving cable                         | 46 mm   |
| Cable diameter                                       | 4.5 mm  |
| Cable diameter tolerance                             | ± 0.1 mm  |

| Feature                                    | Value   |
|--|---|
| Cable structure                            | 5 x 0.25 mm <sup>2</sup>  |
| Nominal cross section conductor            | 0.25 mm <sup>2</sup>  |
| Degree of protection                       | IP65<br>IP68<br>IP69K   |
| Note on degree of protection               | In assembled state  |
| Special characteristics                    | Oil resistant   |
| Ambient temperature                        | -25 °C ... 70 °C  |
| Ambient temperature with moving cable      | -5 °C ... 70 °C   |
| CE mark (see declaration of conformity)    | To EU Low Voltage Directive<br>In accordance with EU RoHS Directive   |
| CE marking (see declaration of conformity) | To UK RoHS instructions<br>To UK regulations for electrical equipment |
| LABS (PWIS) conformity                     | VDMA24364-B2-L  |
| Note on materials                          | RoHS-compliant<br>Free of halogen<br>Free of phosphoric acid ester    |
| Pollution degree                           | 3   |
| Corrosion resistance class 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 insulating sheath                 | PP  |