

# Connecting cable NEBC-M9W5-K-5-N-LE3

Part number: 563712

FESTO



 General operating condition

## Data sheet

| Feature                                              | Value                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------|
| Cable designation                                    | With accessories                                                           |
| Product weight                                       | 250 g                                                                      |
| Electrical connection 1, function                    | Field device side                                                          |
| Electrical connection 1, connection type             | Cable                                                                      |
| Electrical connection 1, connector system            | Open end                                                                   |
| Electrical connection 1, number of connections/cores | 5                                                                          |
| Electrical connection 1, used connections/cores      | 3                                                                          |
| 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            | M9x0.5                                                                     |
| Electrical connection 2, number of connections/cores | 5                                                                          |
| Electrical connection 2, used connections/cores      | 3                                                                          |
| electrical connection 2, type of mounting            | Screw-type lock                                                            |
| Electrical connection 2, connection pattern          | 00995744                                                                   |
| Operational voltage range DC                         | 0 V ... 30 V                                                               |
| Current rating at 40° C                              | 1.6 A                                                                      |
| Note on permissible current load at 40°C             | 2.3 A for 0.34 mm <sup>2</sup><br>3.6 A for 0.49 mm <sup>2</sup>           |
| Immunity to surge                                    | 0.5 kV                                                                     |
| Shielding                                            | yes                                                                        |
| Cable length                                         | 5 m                                                                        |
| Cable characteristic                                 | Suitable for energy chains                                                 |
| Test conditions cable                                | Test conditions on request                                                 |
| Bending radius, moving cable                         | ≥75 mm                                                                     |
| Cable diameter                                       | 5.5 mm                                                                     |
| Cable structure                                      | 2 x 0.25 mm <sup>2</sup> + 2 x 0.34 mm <sup>2</sup> + 0.49 mm <sup>2</sup> |
| Nominal cross section conductor                      | 0.49 mm <sup>2</sup>                                                       |
| Wire ends                                            | Wire ferrule                                                               |
| Degree of protection                                 | IP65<br>IP67                                                               |
| Note on degree of protection                         | In assembled state                                                         |
| Ambient temperature                                  | -20 °C ... 80 °C                                                           |
| Ambient temperature with moving cable                | -5 °C ... 80 °C                                                            |
| CE mark (see declaration of conformity)              | In accordance with EU RoHS Directive                                       |

| Feature                                      | Value                                   |
|----------------------------------------------|-----------------------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions                 |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                          |
| Note on materials                            | RoHS-compliant                          |
| Pollution degree                             | 1                                       |
| Corrosion resistance class CRC               | 1 - Low corrosion stress                |
| Material cable sheath                        | TPE-U(PUR)                              |
| Cable sheath colour                          | Light grey                              |
| Material housing                             | PBT<br>TPE-U(PUR)                       |
| Housing colour                               | Black                                   |
| Material screw-type lock                     | Nickel-plated brass                     |
| Material electrical contact                  | Gold-plated bronze<br>Gold-plated brass |
| Material insulating sheath                   | TPE-U(PUR)                              |