

# Connecting cable NEBC-M12W8-E-2-N-B-LE8

Part number: 8094476

FESTO



 General operating condition

## Data sheet

| Feature   | Value                               |
|---|-------------------------------------|
| Based on norm   | EN 61076-2-101                      |
| Certification   | c UL us - Listed (OL)               |
| Certificate issuing authority                         | UL E474609                          |
| Cable designation                                     | Without label holder                |
| Product weight  | 105 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         | 8                                   |
| Electrical connection 1, occupied pins/wires          | 8                                   |
| Electrical connection 1, type of mounting             | Screw-type lock                     |
| Electrical connection for input 1, connection pattern | 00992265                            |
| 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         | 8                                   |
| Electrical connection 2, occupied pins/wires          | 8                                   |
| DC operating voltage range                            | 0 V ... 30 V                        |
| Operating voltage range AC                            | 0 V ... 30 V                        |
| Current rating at 40° C                               | 2 A                                 |
| Surge resistance                                      | 0.8 kV                              |
| Shield  | no                                  |
| Cable length  | 2 m                                 |
| Cable characteristic                                  | Suitable for energy chains          |
| Connector cable test conditions                       | Test conditions on request          |
| Bending radius, fixed cable installation              | ≥30 mm                              |
| Bending radius, flexible cable installation           | ≥30 mm                              |
| Cable diameter  | 6 mm                                |
| Cable diameter tolerance                              | ± 0.2 mm                            |
| Cable design  | 8 x 0.25 mm <sup>2</sup>            |
| Nominal conductor cross section                       | 0.25 mm <sup>2</sup>                |
| Wire ends   | Stripped                            |
| Degree of protection                                  | IP65<br>IP67                        |

| <b>Feature</b>                                       | <b>Value</b>                  |
|--|-------------------------------|
| Note on degree of protection                         | In mounted state              |
| Ambient temperature                                  | -25 °C ... 90 °C              |
| Ambient temperature with flexible cable installation | -25 °C ... 90 °C              |
| CE marking (see declaration of conformity)           | As per EU RoHS directive      |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions       |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                |
| Note on materials                                    | RoHS-compliant                |
| Contamination level                                  | 3                             |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress |
| Material of cable sheath                             | TPE-U(PUR)                    |
| Color cable sheath                                   | Silver-grey                   |
| Housing material                                     | TPE-U(PUR)                    |
| Housing colour                                       | Black                         |
| Material of screw-type lock                          | Die-cast zinc, nickel-plated  |
| Seals material                                       | NBR                           |
| Material of pin contacts                             | Brass                         |
| Insulating sheath material                           | PP                            |