

# Connecting cable NEBL-T12G4-E-2-N-LE4

Part number: 8080790

**FESTO**

 General operating condition

## Data sheet

| Feature                                              | Value                                                    |
|------------------------------------------------------|----------------------------------------------------------|
| Based on standard                                    | EN 61076-2-111                                           |
| Approval                                             | c UL us listed (OL)                                      |
| Certificate issuing authority                        | UL E504946                                               |
| Cable designation                                    | Without inscription label holder                         |
| Product weight                                       | 243 g                                                    |
| Electrical connection 1, function                    | Field device side                                        |
| Electrical connection 1, design                      | Round                                                    |
| Electrical connection 1, connection type             | Socket                                                   |
| Electrical connection 1, cable outlet                | Straight                                                 |
| Electrical connection 1, connector system            | M12x1, T-coded according to EN 61076-2-111               |
| Electrical connection 1, number of connections/cores | 4                                                        |
| Electrical connection 1, used connections/cores      | 4                                                        |
| Electrical connection 1, type of mounting            | Screw-type lock                                          |
| Electrical connection 1, connection pattern          | Socket, M12x1 T-coded according to EN 61076-2-111, 4-pin |
| Electrical connection 2, function                    | Controller side                                          |
| Electrical connection 2, connection type             | Cable                                                    |
| Electrical connection 2, connector system            | Open end                                                 |
| Electrical connection 2, number of connections/cores | 4                                                        |
| Electrical connection 2, used connections/cores      | 4                                                        |
| Operational voltage range DC                         | 0 V ... 63 V                                             |
| Current rating at 40° C                              | 12 A                                                     |
| Immunity to surge                                    | 1.5 kV                                                   |
| Shielding                                            | no                                                       |
| Cable length                                         | 2 m                                                      |
| Cable characteristic                                 | Suitable for energy chains                               |
| Test conditions cable                                | Test conditions on request                               |
| Bending radius, fixed cable                          | ≥34 mm                                                   |
| Bending radius, moving cable                         | ≥68 mm                                                   |
| Cable diameter                                       | 6.75 mm                                                  |
| Cable diameter tolerance                             | ± 0.2 mm                                                 |
| Cable structure                                      | 4 x 1.5 mm <sup>2</sup>                                  |
| Nominal cross section conductor                      | 1.5 mm <sup>2</sup>                                      |
| Wire ends                                            | Sheath removed                                           |
| Degree of protection                                 | IP65<br>IP67                                             |
| Note on degree of protection                         | In assembled state                                       |

| Feature                                      | Value                                |
|----------------------------------------------|--------------------------------------|
| Ambient temperature                          | -50 °C ... 85 °C                     |
| Ambient temperature with moving cable        | -30 °C ... 85 °C                     |
| CE mark (see declaration of conformity)      | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions              |
| LABS (PWIS) conformity                       | VDMA24364-B2-L                       |
| Note on materials                            | RoHS-compliant                       |
| Pollution degree                             | 3                                    |
| Corrosion resistance class CRC               | 2 - Moderate corrosion stress        |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Black                                |
| Material housing                             | PA                                   |
| Housing colour                               | Black                                |
| Material screw-type lock                     | Die-cast zinc, nickel-plated         |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Brass                                |
| Material insulating sheath                   | PP                                   |