

# Connecting cable NEBM-T12G4-R-3-LE4

Part number: 8140935

FESTO



 General operating condition

## Data sheet

| Feature                                               | Value                                               |
|-------------------------------------------------------|-----------------------------------------------------|
| Based on norm                                         | EN 61076-2-111                                      |
| Cable designation                                     | With label holder                                   |
| Product weight                                        | 256 g                                               |
| Electrical connection 1, function                     | Field device end                                    |
| Electrical connection 1, design                       | Round                                               |
| Electrical connection 1, connection type              | Socket                                              |
| Electrical connection 1, cable outlet                 | Straight                                            |
| Electrical connection 1, connection technology        | M12x1, T-coded as per EN 61076-2-111                |
| Electrical connection 1, number of pins/wires         | 4                                                   |
| Electrical connection 1, occupied pins/wires          | 4                                                   |
| Electrical connection 1, type of mounting             | Screw-type lock                                     |
| Electrical connection for input 1, connection pattern | Socket, M12x1 T-coded as per EN 61076-2-111, 4-pole |
| 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         | 4                                                   |
| Electrical connection 2, occupied pins/wires          | 4                                                   |
| DC operating voltage range                            | 0 V ... 60 V                                        |
| Current rating at 40° C                               | 5 A                                                 |
| Surge resistance                                      | 1.5 kV                                              |
| Shield                                                | no                                                  |
| Cable length                                          | 3 m                                                 |
| Cable characteristic                                  | Suitable for robot applications                     |
| Connector cable test conditions                       | Test conditions on request                          |
| Bending radius, fixed cable installation              | ≥30 mm                                              |
| Bending radius, flexible cable installation           | ≥75 mm                                              |
| Cable diameter                                        | 7.5 mm                                              |
| Cable diameter tolerance                              | ± 0.2 mm                                            |
| Cable design                                          | 4 x 0.75 mm <sup>2</sup>                            |
| Nominal conductor cross section                       | 0.75 mm <sup>2</sup>                                |
| Nominal conductor cross section                       | AWG19                                               |
| Wire ends                                             | Stripped                                            |
| Degree of protection                                  | IP67                                                |
| Note on degree of protection                          | In mounted state                                    |
| Ambient temperature                                   | -40 °C ... 80 °C                                    |
| Ambient temperature with flexible cable installation  | -20 °C ... 80 °C                                    |

| Feature                                      | Value                      |
|----------------------------------------------|----------------------------|
| 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 zone III         |
| Note on materials                            | RoHS-compliant             |
| Contamination level                          | 3                          |
| Corrosion resistance class (CRC)             | 0 - No corrosion stress    |
| Material of cable sheath                     | PVC                        |
| Color cable sheath                           | Black                      |
| Housing material                             | TPE-U(PUR)                 |
| Housing colour                               | Black                      |
| Material of screw-type lock                  | High-alloy stainless steel |
| Seals material                               | HNBR                       |
| Material of pin contacts                     | Brass, gold-plated         |
| Insulating sheath material                   | PVC                        |