

# Connecting cable NEBL-M8W4-E-7.5-N-M8W4

Part number: 8065112

FESTO



 General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                                 | EN 61076-2-104  |
| Approval   | c UL us listed (OL)   |
| Explosion protection                                 | The information in the certificate must be observed!<br>Zone 2 (ATEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                        | UL E253748  |
| Cable designation                                    | Without inscription label holder  |
| Product weight                                       | 285 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            | M8x1, A-coded, to EN 61076-2-104  |
| Electrical connection 1, number of connections/cores | 4   |
| Electrical connection 1, used connections/cores      | 4   |
| Electrical connection 1, type of mounting            | Screw-type lock with hexagon A/F 9 mm and longitudinal knurl                            |
| Electrical connection 1, connection pattern          | 00991872  |
| 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            | M8x1, A-coded to EN 61076-2-104   |
| Electrical connection 2, number of connections/cores | 4   |
| Electrical connection 2, used connections/cores      | 4   |
| electrical connection 2, type of mounting            | Screw-type lock with hexagon A/F 9 mm and longitudinal knurl                            |
| Electrical connection 2, connection pattern          | 00991171  |
| Operational voltage range DC                         | 0 V ... 30 V  |
| Nominal operating voltage DC                         | 24 V  |
| Operational voltage range AC                         | 0 V ... 30 V  |
| Nominal operating voltage AC                         | 24 V  |
| Current rating at 40° C                              | 5.2 A   |
| Immunity to surge                                    | 0.8 kV  |
| Protective conductor connection                      | Not available   |
| Shielding  | no  |
| Cable length   | 7.5 m   |
| Cable characteristic                                 | Suitable for energy chains  |

| Feature                                      | Value                                |
|--|--------------------------------------|
| Test conditions cable                        | Test conditions on request           |
| Bending radius, fixed cable                  | ≥15 mm                               |
| Bending radius, moving cable                 | ≥50 mm                               |
| Cable diameter                               | 4.8 mm                               |
| Cable diameter tolerance                     | ± 0.15 mm                            |
| Cable structure                              | 4 x 0.5 mm <sup>2</sup>              |
| Nominal cross section conductor              | 0.5 mm <sup>2</sup>                  |
| Degree of protection                         | IP65<br>IP67<br>IP69K                |
| Note on degree of protection                 | In assembled state                   |
| Special characteristics                      | Oil resistant                        |
| Ambient temperature                          | -40 °C ... 90 °C                     |
| Ambient temperature with moving cable        | -20 °C ... 90 °C                     |
| Storage temperature                          | -40 °C ... 90 °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<br>Free of halogen    |
| Pollution degree                             | 3                                    |
| Corrosion resistance class CRC               | 2 - Moderate corrosion stress        |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Black                                |
| Material housing                             | TPE-U(PUR)                           |
| Housing colour                               | Black                                |
| Material screw-type lock                     | Nickel-plated brass                  |
| Material seals                               | FPM                                  |
| Material electrical contact                  | Gold-plated copper alloy             |
| Material insulating sheath                   | PP                                   |