

# Connecting cable

## NEBC-D8W4-ES-0.5-N-S-D8W4-ET

Part number: 8065124

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Based on the standard                                | EN 61076-2-114                                  |
| Authorization  | c UL us (OL)                                    |
| Certificate issuing department                       | UL E520706                                      |
| Cable identification                                 | Without inscription label holder                |
| Connection frequency                                 | 100   |
| Product weight                                       | 46 g  |
| Electrical connection 1, function                    | Controller side                                 |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Plug  |
| Electrical connection 1, cable outlet                | Angled  |
| Electrical connection 1, connection technology       | M8x1, D-coded in accordance with EN 61076-2-114 |
| Electrical connection 1, number of pins/wires        | 4   |
| Electrical connection 1, occupied pins/wires         | 4   |
| Electrical connection 1, type of mounting            | Screw-type lock with longitudinal knurl         |
| Electrical connection 2, function                    | Controller side                                 |
| Electrical connection 2, design                      | Round   |
| Electrical connection 2, connection type             | Plug  |
| Electrical connection 2, cable outlet                | Angled  |
| Electrical connection 2, connection technology       | M8x1, D-coded in accordance with EN 61076-2-114 |
| Electrical connection 2, number of pins/wires        | 4   |
| Electrical connection 2, occupied pins/wires         | 4   |
| Electrical connection 2, type of mounting            | Screw-type lock with longitudinal knurl         |
| Operating voltage range DC                           | 0 ... 30 V                                      |
| Nominal operating voltage DC                         | 24 V  |
| Acceptable current load at 40°C                      | 3 A   |
| Surge strength                                       | 1.5 kV  |
| Polarity protected                                   | No  |
| Protective earth connection                          | Not available                                   |
| Shielding  | Yes   |
| Transmission properties                              | as per system communication AP                  |
| Cable length   | 0.5 m   |
| Cable attribute                                      | Suitable for energy chains                      |
| Test conditions of cable                             | Test conditions on request                      |
| Bending radius, fixed cable installation             | ≥ 20 mm   |
| Bending radius, flexible cable installation          | ≥ 75 mm   |
| Cable diameter                                       | 6.3 mm  |
| Cable diameter tolerance                             | ± 0,2 mm  |
| Cable structure                                      | 1x(4xAWG22)                                     |
| Nominal conductor cross section (AWG)                | AWG22   |
| Protection class                                     | IP65<br>IP67                                    |
| Note on degree of protection                         | in assembled condition                          |
| Special characteristics                              | Oil resistant                                   |
| Ambient temperature                                  | -20 ... 60 °C                                   |
| Ambient temperature with flexible cable installation | -5 ... 60 °C                                    |
| Storage temperature                                  | -40 ... 70 °C                                   |

| <b>Feature</b>                               | <b>Value</b>                         |
|--|--------------------------------------|
| CE symbol (see declaration of conformity)    | in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions              |
| PWIS conformity                              | VDMA24364-B2-L                       |
| Materials note                               | Conforms to RoHS<br>Halogen-free     |
| Degree of contamination                      | 3                                    |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress        |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath color                           | Silver-grey with sky blue stripe     |
| Material housing                             | PA<br>TPE-U(PUR)                     |
| Housing color                                | Black                                |
| Material screw-type lock                     | Nickel-plated brass                  |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Gold-plated copper alloy             |
| Material insulation                          | PP                                   |