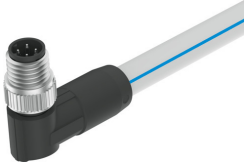


# Connecting cable NEBC-D8W4-ES-2-N-S-D8W4-ET

Part number: 8065128

**FESTO**



 General operating condition

## Data sheet

| Feature                                              | Value                                     |
|------------------------------------------------------|-------------------------------------------|
| Based on standard                                    | EN 61076-2-114                            |
| Approval                                             | c UL us (OL)                              |
| Certificate issuing authority                        | UL E474609                                |
| Cable designation                                    | Without inscription label holder          |
| Frequency of connection                              | 100                                       |
| Product weight                                       | 133 g                                     |
| Electrical connection 1, function                    | Controller side                           |
| Electrical connection 1, design                      | Round                                     |
| Electrical connection 1, connection type             | Plugs                                     |
| Electrical connection 1, cable outlet                | Angled                                    |
| Electrical connection 1, connector system            | M8x1, D-coded according to EN 61076-2-114 |
| 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 longitudinal knurl   |
| Electrical connection 1, connection pattern          | 00995938                                  |
| 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, D-coded according to EN 61076-2-114 |
| 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 longitudinal knurl   |
| Electrical connection 2, connection pattern          | 00995938                                  |
| Operational voltage range DC                         | 0 V ... 30 V                              |
| Nominal operating voltage DC                         | 24 V                                      |
| Current rating at 40° C                              | 3 A                                       |
| Immunity to surge                                    | 1.5 kV                                    |
| Reverse polarity protection                          | no                                        |
| Protective conductor connection                      | Not available                             |
| Shielding                                            | yes                                       |
| Transmission characteristics                         | According to system communication AP      |
| Cable length                                         | 2 m                                       |
| Cable characteristic                                 | Suitable for energy chains                |
| Test conditions cable                                | Test conditions on request                |
| Bending radius, fixed cable                          | ≥20 mm                                    |

| Feature                                      | Value                                |
|----------------------------------------------|--------------------------------------|
| Bending radius, moving cable                 | ≥75 mm                               |
| Cable diameter                               | 6.3 mm                               |
| Cable diameter tolerance                     | ± 0.2 mm                             |
| Cable structure                              | 1 x (4 x AWG22)                      |
| Conductor nominal cross section              | AWG22                                |
| Degree of protection                         | IP65<br>IP67                         |
| Note on degree of protection                 | In assembled state                   |
| Special characteristics                      | Oil resistant                        |
| Ambient temperature                          | -20 °C ... 60 °C                     |
| Ambient temperature with moving cable        | -5 °C ... 60 °C                      |
| Storage temperature                          | -40 °C ... 70 °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                          | Silver-grey with sky blue stripe     |
| Material housing                             | TPE-U(PUR)                           |
| Housing colour                               | Black                                |
| Material screw-type lock                     | Nickel-plated brass                  |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Gold-plated copper alloy             |
| Material insulating sheath                   | PP                                   |