

# connecting cable

## NEBC-D8G4-ES-25-N-S-D8G4-ET

Part number: 8146032

FESTO



### Data sheet

| Feature  | Value                                   |
|--|---|
| Based on the standard                                | EN 61076-2-114                          |
| Authorisation  | c UL us (OL)                            |
| Certificate issuing department                       | UL E520706                              |
| Cable identification                                 | Without inscription label holder        |
| Connection frequency                                 | 100                                     |
| Product weight                                       | 1,462 g                                 |
| Electrical connection 1, function                    | Controller side                         |
| Electrical connection 1, design                      | Round                                   |
| Electrical connection 1, connection type             | Plug                                    |
| Electrical connection 1, cable outlet                | Straight                                |
| Electrical connection 1, connection technology       | M8x1, D-coded to 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                | Straight                                |
| Electrical connection 2, connection technology       | M8x1, D-coded to 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   | 25 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 mark (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 colour                          | Silver-grey with sky blue stripe     |
| Material housing                             | PA<br>TPE-U(PUR)                     |
| Housing colour                               | Black                                |
| Material screw-type lock                     | Nickel-plated brass                  |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Gold-plated copper alloy             |
| Material insulation                          | PP                                   |