

# Connecting cable

## NEBC-R3G4-ES-2-N-S-R3G4-ET

Part number: 8188953

FESTO



## Data sheet

| Feature                                        | Value                          |
|------------------------------------------------|--------------------------------|
| Based on norm                                  | EN 61076-2-114                 |
| Cable designation                              | Without label holder           |
| Contact durability                             | 750                            |
| Product weight                                 | 88 g                           |
| Electrical connection 1, function              | Control side                   |
| Electrical connection 1, design                | Rectangular                    |
| Electrical connection 1, connection type       | Plug                           |
| Electrical connection 1, cable outlet          | Straight                       |
| Electrical connection 1, connection technology | RJ45 as per IEC 60603-7-3      |
| Electrical connection 1, number of pins/wires  | 8                              |
| Electrical connection 1, occupied pins/wires   | 4                              |
| Electrical connection 1, type of mounting      | Snap-locking                   |
| Electrical connection 2, function              | Control side                   |
| Electrical connection 2, design                | Rectangular                    |
| Electrical connection 2, connection type       | Plug                           |
| Electrical connection 2, cable outlet          | Straight                       |
| Electrical connection 2, connection technology | RJ45 as per IEC 60603-7-3      |
| Electrical connection 2, number of pins/wires  | 8                              |
| Electrical connection 2, occupied pins/wires   | 4                              |
| Electrical connection 2, type of mounting      | Snap-locking                   |
| DC operating voltage range                     | 0 V...60 V                     |
| Nominal operating voltage DC                   | 24 V                           |
| Current rating at 40° C                        | 1 A                            |
| Surge resistance                               | 1.5 kV                         |
| Reverse polarity protection                    | no                             |
| Protective earth connection                    | Not available                  |
| Shield                                         | yes                            |
| Transmission characteristics                   | as per system communication AP |
| Cable length                                   | 2 m                            |
| Cable characteristic                           | Suitable for energy chains     |
| Connector cable test conditions                | Test conditions on request     |

| Feature                                              | Value                                                           |
|------------------------------------------------------|-----------------------------------------------------------------|
| Bending radius, fixed cable installation             | 18 mm                                                           |
| Bending radius, flexible cable installation          | 75 mm                                                           |
| Cable diameter                                       | 5.5 mm                                                          |
| Cable diameter tolerance                             | ± 0.2 mm                                                        |
| Cable design                                         | 2 x 2 x AWG26                                                   |
| Nominal conductor cross section                      | AWG26                                                           |
| Degree of protection                                 | IP20                                                            |
| Note on degree of protection                         | In mounted state                                                |
| Special features                                     | Oil-resistant                                                   |
| Ambient temperature                                  | -40 °C...80 °C                                                  |
| Ambient temperature with flexible cable installation | -20 °C...80 °C                                                  |
| Storage temperature                                  | -20 °C...70 °C                                                  |
| 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-B2-L                                                  |
| Note on materials                                    | RoHS-compliant<br>Halogen-free<br>Free of phosphoric acid ester |
| Contamination level                                  | 3                                                               |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress                                        |
| Material of cable sheath                             | PUR                                                             |
| Color cable sheath                                   | Silver-grey with sky blue stripe                                |
| Housing material                                     | TPE-U(PUR)                                                      |
| Housing colour                                       | Black                                                           |
| Material of screw-type lock                          | Brass, nickel-plated                                            |
| Seals material                                       | TPE-U(PUR)                                                      |
| Material of pin contacts                             | Copper alloy, gold-plated                                       |
| Insulating sheath material                           | PP                                                              |