

# Connecting cable NEBC-R3G4-ES-10-N-S-R3G4-ET

Part number: 8188956

FESTO



 General operating condition

## Data sheet

| Feature  | Value                                |
|--|--------------------------------------|
| Based on standard                                    | EN 61076-2-114                       |
| Cable designation                                    | Without inscription label holder     |
| Frequency of connection                              | 750                                  |
| Mounting position                                    | Any                                  |
| Product weight                                       | 382.5 g                              |
| Electrical connection 1, function                    | Control side                         |
| Electrical connection 1, design                      | Square                               |
| Electrical connection 1, connection type             | Plug                                 |
| Electrical connection 1, cable outlet                | Straight                             |
| Electrical connection 1, connector system            | RJ45 to IEC 60603-7-3                |
| Electrical connection 1, number of connections/cores | 8                                    |
| Electrical connection 1, used connections/cores      | 4                                    |
| Electrical connection 1, type of mounting            | Snap-locking                         |
| Electrical connection 1, connection pattern          | 00995653                             |
| Electrical connection 2, function                    | Control side                         |
| Electrical connection 2, design                      | Square                               |
| Electrical connection 2, connection type             | Plug                                 |
| Electrical connection 2, cable outlet                | Straight                             |
| Electrical connection 2, connector system            | RJ45 to IEC 60603-7-3                |
| Electrical connection 2, number of connections/cores | 8                                    |
| Electrical connection 2, used connections/cores      | 4                                    |
| Electrical connection 2, type of mounting            | Snap-locking                         |
| Electrical connection 2, connection pattern          | 00995653                             |
| Operational voltage range DC                         | 0 V ... 60 V                         |
| Nominal operating voltage DC                         | 24 V                                 |
| Current rating at 40° C                              | 1 A                                  |
| Immunity to surge                                    | 1.5 kV                               |
| Reverse polarity protection                          | No                                   |
| Protective conductor connection                      | Not provided                         |
| Shielding  | Yes                                  |
| Transmission characteristics                         | According to system communication AP |
| Cable length   | 10 m                                 |
| Cable characteristic                                 | Suitable for energy chains           |
| Test conditions cable                                | Test conditions on request           |
| Bending radius, fixed cable                          | ≥18 mm                               |
| Bending radius, moving cable                         | ≥75 mm                               |

| Feature                                      | Value  |
|--|--|
| Cable diameter                               | 5.5 mm   |
| Cable diameter tolerance                     | ±0.2 mm  |
| Cable structure                              | 2 x 2 x AWG26  |
| Conductor nominal cross section              | AWG26  |
| Degree of protection                         | IP20   |
| Note on degree of protection                 | In mounted state   |
| Special characteristics                      | UV-resistant<br>Flame-retardant and self-extinguishing<br>Hydrolysis-resistant<br>Resistant to microbes<br>Oil-resistant |
| Ambient temperature                          | -40 °C ... 80 °C   |
| Ambient temperature with moving cable        | -20 °C ... 80 °C   |
| Storage temperature                          | -20 °C ... 70 °C   |
| Overvoltage category                         | II   |
| 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 zone III   |
| Note on materials                            | CFC-free<br>RoHS compliant<br>Free of halogen<br>Free of phosphoric acid ester<br>Silicone free                          |
| Pollution degree                             | 3  |
| Corrosion resistance class CRC               | 1 - Low corrosion stress   |
| Material cable sheath                        | PUR  |
| Cable sheath colour                          | Silver-grey with sky blue stripe   |
| Material housing                             | TPE-U(PUR)   |
| Housing colour                               | Black  |
| Material screw-type lock                     | Brass, nickel-plated   |
| Material electrical contact                  | Gold-plated copper alloy   |
| Material insulating sheath                   | PP   |