

# Connecting cable NEBC-F12G8-KH-2-N-S-F12G8

Part number: 576015

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Based on norm   | Dimensions as per EN 61076-2-101                             |
| Cable designation                                     | Without label holder   |
| Contact durability                                    | 100  |
| Product weight  | 200 g  |
| Electrical connection 1, function                     | Field device end<br>Control side                             |
| Electrical connection 1, design                       | Round  |
| Electrical connection 1, connection type              | Hybrid plug  |
| Electrical connection 1, cable outlet                 | Straight   |
| Electrical connection 1, connection technology        | M12x1, with Festo-specific coding                            |
| Electrical connection 1, number of pins/wires         | 8  |
| Electrical connection 1, occupied pins/wires          | 8  |
| Electrical connection 1, type of mounting             | Screw-type lock with AF 14 and longitudinal knurl            |
| Electrical connection for input 1, connection pattern | 00997723   |
| Electrical connection 2, function                     | Field device end<br>Control side                             |
| Electrical connection 2, design                       | Round  |
| Electrical connection 2, connection type              | Hybrid plug  |
| Electrical connection 2, cable outlet                 | Straight   |
| Electrical connection 2, connection technology        | M12x1, with Festo-specific coding                            |
| Electrical connection 2, number of pins/wires         | 8  |
| Electrical connection 2, occupied pins/wires          | 8  |
| Electrical connection 2, type of mounting             | Screw-type lock with AF 14 and longitudinal knurl            |
| Electrical connection 2, connection pattern           | 00997723   |
| DC operating voltage range                            | 0 V ... 30 V   |
| Current rating at 40° C                               | 7 A  |
| Note on acceptable current load at 40°C               | 1.5 A for conductor cross-section of 0.14 mm <sup>2</sup>    |
| Surge resistance                                      | 0.8 kV   |
| Cable length  | 2 m  |
| Cable characteristic                                  | Standard   |
| Connector cable test conditions                       | Test conditions on request                                   |
| Bending radius, fixed cable installation              | ≥24 mm   |
| Bending radius, flexible cable installation           | ≥56 mm   |
| Cable diameter  | 8 mm   |
| Cable diameter tolerance                              | ± 0.2 mm   |
| Cable design  | (1 x (4 x 0.14 mm <sup>2</sup> )) + 4 x 0.75 mm <sup>2</sup> |

| <b>Feature</b>                                       | <b>Value</b>                   |
|--|--------------------------------|
| Nominal conductor cross section                      | 0.75 mm <sup>2</sup>           |
| Degree of protection                                 | IP65<br>IP67                   |
| Note on degree of protection                         | In mounted state               |
| Special features                                     | Oil-resistant                  |
| Ambient temperature                                  | -25 °C ... 70 °C               |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                |
| Storage temperature                                  | -40 °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 |
| Contamination level                                  | 3                              |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress       |
| Material of cable sheath                             | TPE-U(PUR)                     |
| Color cable sheath                                   | Light gray                     |
| Housing material                                     | TPE-U(PUR)                     |
| Housing colour                                       | Black                          |
| Material of screw-type lock                          | Brass, nickel-plated           |
| Material of pin contacts                             | Brass, gold-plated             |
| Insulating sheath material                           | PP                             |