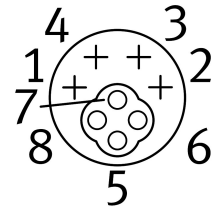


# Connecting cable NEBC-F12G8-KH-0.25-N-S-F12G8

Part number: 564189

**FESTO**



## Data sheet

| Feature                                        | Value                                             |
|------------------------------------------------|---------------------------------------------------|
| Based on norm                                  | Dimensions as per EN 61076-2-101                  |
| Cable designation                              | Without label holder                              |
| Contact durability                             | 100                                               |
| Product weight                                 | 47 g                                              |
| Electrical connection 1, function              | Field device side<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 2, function              | Field device side<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 |
| 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 mm²     |
| Surge resistance                               | 0.8 kV                                            |
| Cable length                                   | 0.25 m                                            |
| Cable characteristic                           | Standard                                          |
| Connector cable test conditions                | Test conditions on request                        |
| Bending radius, fixed cable installation       | 24 mm                                             |

| Feature                                              | Value                                                        |
|------------------------------------------------------|--------------------------------------------------------------|
| 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> |
| Nominal conductor cross section                      | 0.14 mm <sup>2</sup><br>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                             | Gold-plated brass                                            |
| Insulating sheath material                           | PP                                                           |