

# Connecting cable NEBC-D12G4-ES-3-S-D12G4-ET

Part number: 8040448

**FESTO**



## Data sheet

| Feature                                              | Value                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Type code                                            | NEBC                                                                                                                           |
| Conforms to standard                                 | EN 61076-2-101                                                                                                                 |
| Electrical connection 1                              | Straight plug, M12x1, 4-pin, D-coded                                                                                           |
| Electrical connection 2                              | Straight plug, M12x1, 4-pin, D-coded                                                                                           |
| DC operating voltage range                           | 0 V ... 30 V                                                                                                                   |
| Current rating at 40°C                               | 4 A                                                                                                                            |
| Surge resistance                                     | 0.8 kV                                                                                                                         |
| Cable length                                         | 3 m                                                                                                                            |
| Cable characteristic                                 | Suitable for energy chains                                                                                                     |
| Connector cable test conditions                      | Flexural strength: as per Festo standard<br>Test conditions on request<br>Cable chain: 2 million cycles, bending radius 100 mm |
| Min. cable bending radius                            | 100 mm                                                                                                                         |
| Cable diameter                                       | 6.7 mm                                                                                                                         |
| Cable design                                         | 2 x (2 x 0.34 mm <sup>2</sup> )                                                                                                |
| Nominal conductor cross section                      | 0.34 mm <sup>2</sup>                                                                                                           |
| Degree of protection                                 | IP65<br>IP67                                                                                                                   |
| Special features                                     | Oil-resistant                                                                                                                  |
| Ambient temperature                                  | -25 °C ... 80 °C                                                                                                               |
| Ambient temperature with flexible cable installation | -20 °C ... 60 °C                                                                                                               |
| Note on materials                                    | Free of copper and PTFE<br>RoHS-compliant                                                                                      |
| Contamination level                                  | 3                                                                                                                              |
| Corrosion resistance class (CRC)                     | 1 - Low corrosion stress                                                                                                       |
| Material of cable sheath                             | TPE-U(PUR)                                                                                                                     |
| Color cable sheath                                   | Green                                                                                                                          |
| Housing material                                     | TPE-U(PUR)                                                                                                                     |
| Housing colour                                       | Black                                                                                                                          |
| Material of pin contacts                             | Brass<br>Gold-plated                                                                                                           |
| Insulating sheath material                           | PE                                                                                                                             |
| Threaded sleeve material                             | Die-cast zinc                                                                                                                  |
| Ethernet cable specification                         | Typ: CAT.5                                                                                                                     |
| Transmission characteristics                         | In accordance with category 5, EN 50173, class D<br>According to category 5, ISO/IEC 11801, class D                            |