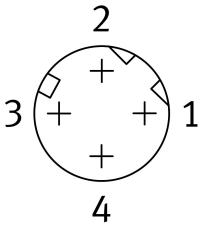
# Connecting cable
# NEBC-D12G4-ES-1-S-D12G4-ET

Part number: 8040447






## Data sheet

| Feature | Value |
|---|---|
| Cable designation | With label holder |
| Frequency of connection | 50 |
| Product weight | 98.5 g |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M12x1, D-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 4 |
| Electrical connection 1, used connections/cores | 4 |
| Electrical connection 1, type of mounting | Screw-type lock with 13 mm hexagon and longitudinal knurl |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | Plugs |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connector system | M12x1, D-coded to EN 61076-2-101 |
| Electrical connection 2, number of connections/cores | 4 |
| Electrical connection 2, used connections/cores | 4 |
| electrical connection 2, type of mounting | Screw-type lock with 13 mm hexagon and longitudinal knurl |
| Operational voltage range DC | 0 V...30 V |
| Current rating at 40° C | 4 A |
| Immunity to surge | 0.8 kV |
| Note on immunity to surge | A leakage current of up to 20 mA is permissible due to shielding. |
| Shielding | yes |
| Transmission characteristics | In accordance with category 5, EN 50173, class D<br>In accordance with category 5, ISO/IEC 11801, class D |
| Specification Ethernet cable | Type: CAT.5 |
| Cable length | 1 m |
| Cable characteristic | Suitable for energy chains |

| Feature | Value |
|---|---|
| Test conditions cable | Bending strength: to Festo standard<br>Test conditions on request<br>Energy chain: > 2 million cycles, bending radius 100 mm |
| Bending radius, fixed cable | 40 mm |
| Bending radius, moving cable | 100 mm |
| Cable diameter | 6.7 mm |
| Cable diameter tolerance | ± 0.3 mm |
| Cable structure | 4 x 0.34 mm² |
| Nominal cross section conductor | 0.34 mm² |
| Conductor nominal cross section | AWG22 |
| Degree of protection | IP65<br>IP67 |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 °C...80 °C |
| Ambient temperature with moving cable | -20 °C...60 °C |
| Storage temperature | -25 °C...80 °C |
| 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-B2-L |
| Note on materials | RoHS-compliant |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Green |
| Material housing | TPE-U(PUR) |
| Housing colour | Black |
| Material screw-type lock | Die-cast zinc, nickel-plated |
| Material electrical contact | Brass<br>Bronze |
| Material insulating sheath | PE |
| Material threaded sleeve | Die-cast zinc |