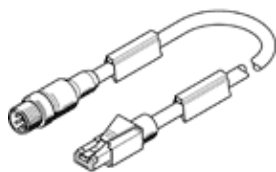
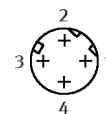


Connecting cable

NEBC-D12G4-ES-10-S-R3G4-ET

Part number: 8040454

FESTO



Data sheet

| Feature | Value |
|--|--|
| Cable identification | With inscription label holder |
| Connection frequency | 50 |
| Product weight | 679.5 g |
| Electrical connection 1, function | Field device side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connection technology | M12x1, D-coded in accordance with EN 61076-2-101 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, occupied pins/wires | 4 |
| Electrical connection 1, type of mounting | Screw-type lock with 13 mm A/F hexagon and longitudinal knurl |
| Electrical connection 2, function | Controller side |
| Electrical connection 2, design | Angular |
| Electrical connection 2, connection type | Plug |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connection technology | RJ45 as per IEC 60603-7-3 |
| Electrical connection 2, number of pins/wires | 8 |
| Electrical connection 2, occupied pins/wires | 4 |
| Electrical connection 2, type of mounting | Snap-in locking |
| Operating voltage range DC | 0 ... 30 V |
| Acceptable current load at 40°C | 1.3 A |
| Surge strength | 0.8 kV |
| Note on surge resistance | Due to screening, a leakage flow of up to 20 mA is permissible. |
| Transmission properties | In accordance with category 5, EN 50173, class D In accordance with category 5, ISO/IEC 11801, class D |
| Ethernet cable specification | Type: CAT 5 |
| Cable length | 10 m |
| Cable attribute | Suitable for energy chains |
| Test conditions of cable | Bending strength according to Festo standard Test conditions on request Energy chain > 2 million cycles, bending radius 100 mm |
| Bending radius, fixed cable installation | ≥ 40 mm |
| Bending radius, flexible cable installation | ≥ 100 mm |
| Cable diameter | 6.7 mm |
| Cable diameter tolerance | ± 0,3 mm |
| Cable structure | 4 x 0.34 mm ² (star quad) |
| Nominal conductor cross-section | 0.34 mm ² |
| Nominal conductor cross section (AWG) | AWG22 |
| Protection class | IP65 IP67 |
| Special characteristics | Oil resistant |
| Ambient temperature | -25 ... 80 °C |
| Ambient temperature with flexible cable installation | -20 ... 60 °C |
| Storage temperature | -25 ... 80 °C |
| CE symbol (see declaration of conformity) | in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |

| Feature | Value |
|---|---|
| PWIS conformity | VDMA24364-B2-L |
| Materials note | Conforms to RoHS |
| Degree of contamination | 3 |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath color | green |
| Material housing | Nickel-plated brass PA TPE-U(PUR) |
| Housing color | Black |
| Material screw-type lock | Nickel-plated die-cast zinc |
| Material electrical contact | Brass Gold plated |
| Material insulation | PE |
| Material threaded sleeve | Zinc die-casting |