

# Connecting cable NEBC-M12G8-E-5-N-M12G8

Part number: 8080783

FESTO



 General operating condition

## Data sheet

| Feature  | Value                            |
|--|----------------------------------|
| Based on standard                                    | EN 61076-2-101                   |
| Approval   | c UL us - Listed (Oil)           |
| Certificate issuing authority                        | UL E474609                       |
| Cable designation                                    | Without inscription label holder |
| Product weight                                       | 256 g                            |
| Electrical connection 1, function                    | Field device side                |
| Electrical connection 1, design                      | Round                            |
| Electrical connection 1, connection type             | Socket                           |
| Electrical connection 1, cable outlet                | Straight                         |
| Electrical connection 1, connector system            | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 8                                |
| Electrical connection 1, used connections/cores      | 8                                |
| Electrical connection 1, type of mounting            | Screw-type lock                  |
| Electrical connection 1, connection pattern          | 00992265                         |
| Electrical connection 2, function                    | Control side                     |
| Electrical connection 2, design                      | Round                            |
| Electrical connection 2, connection type             | Plug                             |
| Electrical connection 2, cable outlet                | Straight                         |
| Electrical connection 2, connector system            | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 2, number of connections/cores | 8                                |
| Electrical connection 2, used connections/cores      | 8                                |
| Electrical connection 2, type of mounting            | Screw-type lock                  |
| Electrical connection 2, connection pattern          | 00992264                         |
| Operational voltage range DC                         | 0 V ... 30 V                     |
| Operational voltage range AC                         | 0 V ... 30 V                     |
| Current rating at 40° C                              | 2 A                              |
| Immunity to surge                                    | 0.8 kV                           |
| Shielding  | No                               |
| Cable length   | 5 m                              |
| Cable characteristic                                 | Suitable for energy chains       |
| Test conditions cable                                | Test conditions on request       |
| Bending radius, fixed cable                          | ≥30 mm                           |
| Bending radius, moving cable                         | ≥30 mm                           |
| Cable diameter                                       | 6 mm                             |
| Cable diameter tolerance                             | ±0.2 mm                          |
| Cable structure                                      | 8 x 0.25 mm <sup>2</sup>         |

| <b>Feature</b>                               | <b>Value</b>                         |
|--|--------------------------------------|
| Nominal cross section conductor              | 0.25 mm <sup>2</sup>                 |
| Degree of protection                         | IP65<br>IP67                         |
| Note on degree of protection                 | In mounted state                     |
| Ambient temperature                          | -25 °C ... 90 °C                     |
| Ambient temperature with moving cable        | -25 °C ... 90 °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               | 2 - Moderate corrosion stress        |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Silver-grey                          |
| Material housing                             | TPE-U(PUR)                           |
| Housing colour                               | Black                                |
| Material screw-type lock                     | Nickel-plated die-cast zinc          |
| Material seals                               | NBR                                  |
| Material electrical contact                  | Brass                                |
| Material insulating sheath                   | PP                                   |