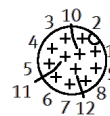


# connecting cable

## NEBS-SM12G12-E-0.3-N-M12G12

Part number: 3947404

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Conforms to standard                                 | EN 61076-2-101                                   |
| Cable identification                                 | with accessories                                 |
| Connection frequency                                 | 100  |
| 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, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 1, number of pins/wires        | 12   |
| Electrical connection 1, occupied pins/wires         | 12   |
| Electrical connection 1, type of mounting            | Screw locking with hex SW13                      |
| Electrical connection 2, function                    | Controller side                                  |
| Electrical connection 2, design                      | Round  |
| Electrical connection 2, connection type             | Plug   |
| Electrical connection 2, cable outlet                | Straight   |
| Electrical connection 2, connection technology       | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection 2, number of pins/wires        | 12   |
| Electrical connection 2, occupied pins/wires         | 12   |
| Electrical connection 2, type of mounting            | Screw locking with hex SW13                      |
| Operating voltage range DC                           | 0 ... 30 V                                       |
| Operating voltage range AC                           | 0 ... 30 V                                       |
| Acceptable current load at 40°C                      | 1.5 A  |
| Surge strength                                       | 0.5 kV   |
| Cable length   | 0.3 m  |
| Cable attribute                                      | Suitable for chain link trunking                 |
| Test conditions of cable                             | Test conditions on request                       |
| Bending radius, fixed cable installation             | ≥ 32 mm  |
| Bending radius, flexible cable installation          | ≥ 65 mm  |
| Cable diameter                                       | 6.5 mm   |
| Cable structure                                      | 12x0,25  |
| Nominal conductor cross-section                      | 0.25 mm <sup>2</sup>                             |
| Protection class                                     | IP67   |
| Note on degree of protection                         | in assembled condition                           |
| Ambient temperature                                  | -5 ... 70 °C                                     |
| Ambient temperature with flexible cable installation | -5 ... 70 °C                                     |
| 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 colour                                  | Black  |
| Material housing                                     | TPE-U(PUR)                                       |
| Housing colour                                       | Black  |
| Material screw-type lock                             | Nickel-plated die-cast zinc                      |
| Material electrical contact                          | Brass, gold-plated                               |