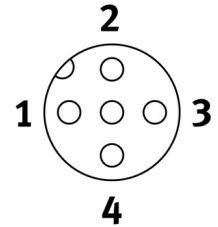


# Connecting cable NEBB-M12W5-P-2.5-LE4

Part number: 8066682

FESTO



## Data sheet

| Feature                                               | Value                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------|
| Type code                                             | NEBB                                                                          |
| Conforms to standard                                  | Wire colors and connection numbers as per EN 60947-5-2<br>EN 61076-2-101      |
| Explosion prevention and protection                   | Observe the information on the certificate<br>Zone 2 (ATEX)<br>Zone 22 (ATEX) |
| Cable designation                                     | With label holder                                                             |
| Electrical connection 1, function                     | Field device end                                                              |
| Electrical connection 1, design                       | Round                                                                         |
| Electrical connection 1, connection type              | Socket                                                                        |
| Electrical connection 1, cable outlet                 | Angled                                                                        |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101                                           |
| Electrical connection 1, number of pins/wires         | 5                                                                             |
| Electrical connection 1, occupied pins/wires          | 4                                                                             |
| Electrical connection 1, type of mounting             | Screw-type lock with AF 13                                                    |
| Electrical connection for input 1, connection pattern | 00991861                                                                      |
| Electrical connection 2, function                     | Control side                                                                  |
| Electrical connection 2, connection type              | Cable                                                                         |
| Electrical connection 2, connection technology        | Open end                                                                      |
| Electrical connection 2, number of pins/wires         | 4                                                                             |
| Electrical connection 2, occupied pins/wires          | 4                                                                             |
| DC operating voltage range                            | 0 V ... 250 V                                                                 |
| Operating voltage range AC                            | 0 V ... 250 V                                                                 |
| Current rating at 40°C                                | 4 A                                                                           |
| Surge resistance                                      | 2.5 kV                                                                        |
| Cable length                                          | 2.5 m                                                                         |
| Cable characteristic                                  | for static applications                                                       |
| Connector cable test conditions                       | Test conditions on request                                                    |
| Bending radius, fixed cable installation              | ≥14 mm                                                                        |
| Cable diameter                                        | 4.5 mm                                                                        |
| Cable design                                          | 4 x 0.25 mm <sup>2</sup>                                                      |
| Nominal conductor cross section                       | 0.25 mm <sup>2</sup>                                                          |
| Wire ends                                             | Stripped<br>Cut off bluntly                                                   |

| Feature                                    | Value                                                       |
|--------------------------------------------|-------------------------------------------------------------|
| Degree of protection                       | IP65<br>IP68<br>IP69K                                       |
| Note on degree of protection               | In mounted state                                            |
| Ambient temperature                        | -25 °C ... 70 °C                                            |
| CE marking (see declaration of conformity) | As per EU low voltage directive<br>As per EU RoHS directive |
| Note on materials                          | Free of copper and PTFE<br>RoHS-compliant                   |
| Contamination level                        | 3                                                           |
| Corrosion resistance class (CRC)           | 2 - Moderate corrosion stress                               |
| Material of cable sheath                   | PVC                                                         |
| Color cable sheath                         | Gray                                                        |
| Housing material                           | TPE-U(PU)                                                   |
| Housing colour                             | Black                                                       |
| Material of screw-type lock                | Brass, nickel-plated                                        |
| Seals material                             | NBR                                                         |
| Material of pin contacts                   | Copper alloy, gold-plated                                   |
| Insulating sheath material                 | PVC                                                         |