

# Encoder cable NEBM-M12G8-E-2.5-N-R3G8

Part number: 5212312

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Cable designation                                    | Without label holder  |
| Product weight                                       | 200 g   |
| Electrical connection 1, function                    | Field device end  |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Socket  |
| Electrical connection 1, cable outlet                | Straight  |
| Electrical connection 1, connection technology       | M12x1 A-coded as per EN 61076-2-101                                     |
| Electrical connection 1, number of pins/wires        | 8   |
| Electrical connection 1, occupied pins/wires         | 8   |
| Electrical connection 2, function                    | Control side  |
| Electrical connection 2, design                      | Rectangular   |
| Electrical connection 2, connection type             | Plug  |
| Electrical connection 2, cable outlet                | Straight  |
| Electrical connection 2, connection technology       | RJ45  |
| Electrical connection 2, number of pins/wires        | 8   |
| Electrical connection 2, occupied pins/wires         | 8   |
| DC operating voltage range                           | 0 V...30 V  |
| Nominal operating voltage DC                         | 24 V  |
| Operating voltage range AC                           | 0 V...30 V  |
| Nominal operating voltage AC                         | 24 V  |
| Cable length   | 2.5 m   |
| Cable characteristic                                 | Suitable for energy chains  |
| Bending radius, flexible cable installation          | 48 mm   |
| Cable diameter                                       | 5.8 mm  |
| Cable design   | 1 x 4 x 0.15 mm <sup>2</sup> + 4 x 1 x 0.34 mm <sup>2</sup><br>Shielded |
| Nominal conductor cross section                      | 0.15 mm <sup>2</sup>  |
| Degree of protection                                 | IP65  |
| Note on degree of protection                         | IP30 for Sub-D plug<br>In mounted state                                 |
| Ambient temperature                                  | -40 °C...80 °C  |
| Ambient temperature with flexible cable installation | -5 °C...80 °C   |

| <b>Feature</b>                               | <b>Value</b>             |
|--|--------------------------|
| CE marking (see declaration of conformity)   | As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions  |
| LABS (PWIS) conformity                       | VDMA24364 zone III       |
| Note on materials                            | RoHS-compliant           |
| Corrosion resistance class (CRC)             | 0 - No corrosion stress  |
| Material of cable sheath                     | TPE-U(PUR)               |
| Color cable sheath                           | Black                    |