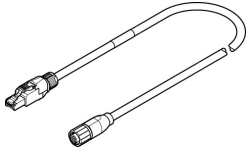


# Encoder cable NEBM-M12G8-E-7.5-N-R3G8

Part number: 5212314

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Type code   | NEBM  |
| Cable designation                                     | Without label holder  |
| Product weight  | 450 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 for input 1, connection pattern | 00992265  |
| 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   |
| Electrical connection 2, connection pattern           | 00995653  |
| 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  | 7.5 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  |

| <b>Feature</b>                                       | <b>Value</b>             |
|--|--------------------------|
| Ambient temperature with flexible cable installation | -5 °C ... 80 °C          |
| CE marking (see declaration of conformity)           | As per EU RoHS directive |
| Note on materials                                    | RoHS-compliant           |
| Corrosion resistance class (CRC)                     | 0 - No corrosion stress  |
| Material of cable sheath                             | TPE-U(PUR)               |
| Color cable sheath                                   | Black                    |