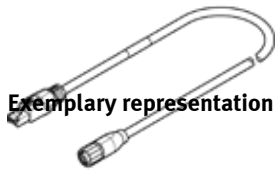


# Encoder cable NEBM-M12G8-E- -N-R3G8

Part number: 5212317  
Product to be discontinued

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Cable identification                                 | Without inscription label holder                        |
| Electrical connection 1, function                    | Field device side                                       |
| Electrical connection 1, design                      | Round   |
| Electrical connection 1, connection type             | Plug socket   |
| 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        | 8   |
| Electrical connection 1, occupied pins/wires         | 8   |
| Electrical connection 2, function                    | Controller side   |
| Electrical connection 2, design                      | Angular   |
| 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   |
| Operating voltage range DC                           | 0 ... 30 V  |
| Nominal operating voltage DC                         | 24 V  |
| Operating voltage range AC                           | 0 ... 30 V  |
| Nominal operating voltage, AC                        | 24 V  |
| Cable length   | 1 ... 25 m  |
| Cable attribute                                      | Suitable for energy chains                              |
| Bending radius, flexible cable installation          | ≥ 48 mm   |
| Cable diameter                                       | 5.8 mm  |
| Cable structure                                      | 1x4x0,15+4x1x0,34<br>Shielded                           |
| Nominal conductor cross-section                      | 0.15 mm <sup>2</sup>                                    |
| Protection class                                     | IP65  |
| Note on degree of protection                         | IP30 for plug connector Sub-D<br>in assembled condition |
| Ambient temperature                                  | -40 ... 80 °C   |
| Ambient temperature with flexible cable installation | -5 ... 80 °C  |
| CE symbol (see declaration of conformity)            | in accordance with EU RoHS directive                    |
| UKCA marking (see declaration of conformity)         | To UK RoHS instructions                                 |
| PWIS conformity                                      | VDMA24364 zone III                                      |
| Materials note                                       | Conforms to RoHS  |
| Corrosion resistance classification CRC              | 0 - No corrosion stress                                 |
| Material cable sheath                                | TPE-U(PUR)  |
| Cable sheath color                                   | Black   |