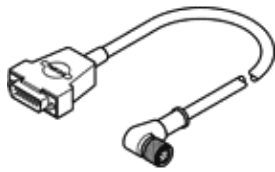
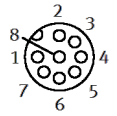


# Encoder cable

## NEBM-M12W8-E-25-N-S1G15

Part number: 5105630  
Product to be discontinued

FESTO



### Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                                 | EN 61984  |
| 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                | Angled  |
| 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       | Sub-D   |
| Electrical connection 2, number of pins/wires        | 15  |
| 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  |
| Acceptable current load at 40°C                      | 3 A   |
| Note on acceptable current load at 40°C              | 2 A for 0.14 mm <sup>2</sup>                            |
| Surge strength                                       | 0.5 kV  |
| Cable length   | 25 m  |
| Cable attribute                                      | Suitable for chain link trunking                        |
| Bending radius, fixed cable installation             | ≥ 20 mm   |
| Bending radius, flexible cable installation          | ≥ 75 mm   |
| Cable diameter                                       | 6 mm  |
| Cable structure                                      | 1x4x0,14+4x0,34<br>Shielded                             |
| Nominal conductor cross-section                      | 0.14 mm <sup>2</sup><br>0.34 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 | -10 ... 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-B2-L  |
| Materials note                                       | Conforms to RoHS  |
| Degree of contamination                              | 3   |
| Material cable sheath                                | TPE-U(PUR)  |