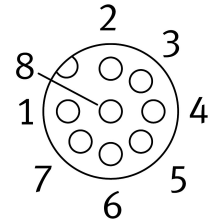


# Encoder cable NEBM-M12W8-E-5-LE8

Part number: 1451676

**FESTO**



## Data sheet

| Feature                                              | Value                               |
|------------------------------------------------------|-------------------------------------|
| Cable designation                                    | Without label holder                |
| Electrical connection 1, function                    | Field device side                   |
| 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        | 8                                   |
| Electrical connection 1, occupied pins/wires         | 8                                   |
| 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        | 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                                |
| Shield                                               | Yes                                 |
| Cable length                                         | 5 m                                 |
| Cable characteristic                                 | Suitable for energy chains          |
| Bending radius, flexible cable installation          | 68 mm                               |
| Cable diameter                                       | 6.8 mm                              |
| Cable design                                         | 4 x 2 x 0.14 mm <sup>2</sup>        |
| Nominal conductor cross section                      | 0.14 mm <sup>2</sup>                |
| Wire ends                                            | Wire ferrule                        |
| Degree of protection                                 | IP65                                |
| Note on degree of protection                         | In mounted state                    |
| Ambient temperature                                  | -40 °C...80 °C                      |
| Ambient temperature with flexible cable installation | -5 °C...80 °C                       |
| CE marking (see declaration of conformity)           | As per EU RoHS directive            |

| Feature                                      | Value                   |
|----------------------------------------------|-------------------------|
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity                       | VDMA24364-B2-L          |
| Note on materials                            | RoHS compliant          |
| Material of cable sheath                     | TPE-U(PUR)              |
| Color cable sheath                           | Gray                    |