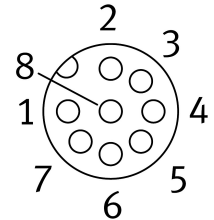


# Encoder cable

## NEBM-M12W8-E-10-LE8

Part number: 1451678

FESTO



## Data sheet

| Feature                                              | Value                                |
|------------------------------------------------------|--------------------------------------|
| Cable designation                                    | Without inscription 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, connector system            | M12x1, A-coded to EN 61076-2-101     |
| Electrical connection 1, number of connections/cores | 8                                    |
| Electrical connection 1, used connections/cores      | 8                                    |
| Electrical connection 2, function                    | Controller side                      |
| Electrical connection 2, connection type             | Cable                                |
| Electrical connection 2, connector system            | Open end                             |
| Electrical connection 2, number of connections/cores | 8                                    |
| Electrical connection 2, used connections/cores      | 8                                    |
| Operational voltage range DC                         | 0 V...30 V                           |
| Nominal operating voltage DC                         | 24 V                                 |
| Operational voltage range AC                         | 0 V...30 V                           |
| Nominal operating voltage AC                         | 24 V                                 |
| Shielding                                            | yes                                  |
| Cable length                                         | 10 m                                 |
| Cable characteristic                                 | Suitable for energy chains           |
| Bending radius, moving cable                         | 68 mm                                |
| Cable diameter                                       | 6.8 mm                               |
| Cable structure                                      | 4 x 2 x 0.14 mm <sup>2</sup>         |
| Nominal cross section conductor                      | 0.14 mm <sup>2</sup>                 |
| Wire ends                                            | Wire ferrule                         |
| Degree of protection                                 | IP65                                 |
| Note on degree of protection                         | In assembled state                   |
| Ambient temperature                                  | -40 °C...80 °C                       |
| Ambient temperature with moving cable                | -5 °C...80 °C                        |
| CE mark (see declaration of conformity)              | In accordance with 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 cable sheath                        | TPE-U(PUR)              |
| Cable sheath colour                          | Grey                    |