

# Encoder cable NEBM-M12W8-E-1.5-LE8

Part number: 1451674

**FESTO**



 [General operating condition](#)

## 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 1, connection pattern          | 00992265                             |
| 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                                         | 1.5 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 |
| 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)                           |

| Feature             | Value |
|---------------------|-------|
| Cable sheath colour | Grey  |