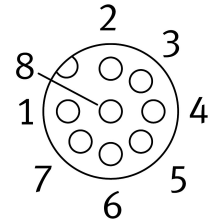
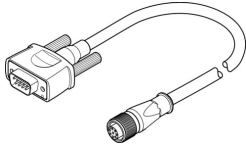


# Encoder cable NEBM-M12G8-E-5-S1G9

Part number: 550748

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          | Straight                                |
| 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, design                | Square                                  |
| 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  | 9                                       |
| 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    | 49 mm                                   |
| Cable diameter                                 | 6.5 mm                                  |
| Cable design                                   | 4 x 2 x 0.14 mm <sup>2</sup>            |
| Nominal conductor cross section                | 0.14 mm <sup>2</sup>                    |
| Degree of protection                           | IP65                                    |
| Note on degree of protection                   | IP30 for Sub-D plug<br>In mounted state |
| Ambient temperature                            | -40 °C...70 °C                          |

| Feature                                              | Value                    |
|------------------------------------------------------|--------------------------|
| Ambient temperature with flexible cable installation | -40 °C...70 °C           |
| CE marking (see declaration of conformity)           | As per 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 of cable sheath                             | TPE-U(PUR)               |
| Color cable sheath                                   | Gray                     |