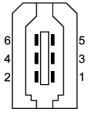
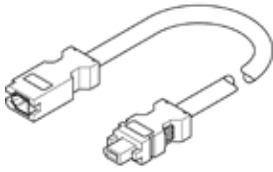


# Encoder cable NEBM-REG6-K-2.5-Q14N-REG6

Part number: 5219209

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Cable identification                                 | Without inscription label holder              |
| Electrical connection 1, function                    | Field device side                             |
| Electrical connection 1, design                      | Angular                                       |
| Electrical connection 1, connection type             | Plug socket                                   |
| Electrical connection 1, cable outlet                | Straight                                      |
| Electrical connection 1, connection technology       | Connection pattern RE                         |
| Electrical connection 1, number of pins/wires        | 6   |
| Electrical connection 1, occupied pins/wires         | 6   |
| 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       | Connection pattern RE                         |
| Electrical connection 2, number of pins/wires        | 6   |
| Electrical connection 2, occupied pins/wires         | 6   |
| Operating voltage range DC                           | 0 ... 30 V                                    |
| Operating voltage range AC                           | 0 ... 30 V                                    |
| Acceptable current load at 40°C                      | 1.6 A   |
| Surge strength                                       | 2 kV  |
| Cable length   | 2.5 m   |
| Cable attribute                                      | Standard                                      |
| Test conditions of cable                             | Test conditions on request                    |
| Bending radius, fixed cable installation             | ≥ 83 mm                                       |
| Bending radius, flexible cable installation          | ≥ 100 mm                                      |
| Cable diameter                                       | 8.3 mm  |
| Cable structure                                      | 2x0,51+4x0,205                                |
| Nominal conductor cross-section                      | 0.205 mm <sup>2</sup><br>0.51 mm <sup>2</sup> |
| Nominal conductor cross section (AWG)                | AWG20<br>AWG24                                |
| Protection class                                     | IP20  |
| Note on degree of protection                         | 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 zone III                            |
| Materials note                                       | Conforms to RoHS                              |
| Degree of contamination                              | 3   |
| Corrosion resistance classification CRC              | 0 - No corrosion stress                       |
| Material cable sheath                                | PVC   |
| Cable sheath color                                   | Black   |
| Material housing                                     | PVC   |
| Housing color  | Grey  |
| Material insulation                                  | PVC   |