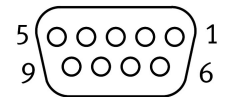
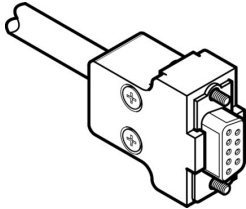


# Connecting cable KMP6-09P-8-2,5

Part number: 531184

**FESTO**



## Data sheet

| Feature                                        | Value                                              |
|------------------------------------------------|----------------------------------------------------|
| Conforms to standard                           | DIN 41652                                          |
| Cable designation                              | Without label holder                               |
| Contact durability                             | 50                                                 |
| Product weight                                 | 248 g                                              |
| Electrical connection 1, function              | Field device side                                  |
| Electrical connection 1, design                | Square                                             |
| Electrical connection 1, connection type       | Socket                                             |
| Electrical connection 1, cable outlet          | Straight                                           |
| Electrical connection 1, connection technology | Sub-D                                              |
| Electrical connection 1, number of pins/wires  | 9                                                  |
| Electrical connection 1, occupied pins/wires   | 9                                                  |
| Electrical connection 1, type of mounting      | 2x 4-40 UNC screw                                  |
| 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  | 9                                                  |
| Electrical connection 2, occupied pins/wires   | 9                                                  |
| DC operating voltage range                     | 0 V...30 V                                         |
| Nominal operating voltage DC                   | 24 V                                               |
| Current rating at 40° C                        | 2.8 A                                              |
| Surge resistance                               | 1 kV                                               |
| Cable length                                   | 2.5 m                                              |
| Cable characteristic                           | Standard                                           |
| Connector cable test conditions                | Test conditions on request                         |
| Bending radius, fixed cable installation       | 76 mm                                              |
| Bending radius, flexible cable installation    | 114 mm                                             |
| Cable diameter                                 | 7.6 mm                                             |
| Cable diameter tolerance                       | ± 0.25 mm                                          |
| Cable design                                   | 8 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> |
| Nominal conductor cross section                | 0.34 mm <sup>2</sup><br>0.5 mm <sup>2</sup>        |
| Wire ends                                      | Cut off bluntly                                    |

| Feature                                              | Value                    |
|------------------------------------------------------|--------------------------|
| Degree of protection                                 | IP40                     |
| Note on degree of protection                         | In mounted state         |
| Ambient temperature                                  | -25 °C...70 °C           |
| Ambient temperature with flexible cable installation | -5 °C...70 °C            |
| Storage temperature                                  | -25 °C...75 °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           |
| Contamination level                                  | 2                        |
| Material of cable sheath                             | PVC                      |
| Color cable sheath                                   | Gray                     |
| Housing material                                     | PBT-reinforced           |
| Housing colour                                       | Gray                     |
| Material of screw-type lock                          | Brass, nickel-plated     |
| Material of pin contacts                             | Gold-plated copper alloy |