

# Motor cable NEBM-L5G14-EH-7.5-Q6N-LE12

Part number: 8181676

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                              | Value                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------|
| Based on standard                                    | EN 61984                                                                     |
| Cable designation                                    | Without inscription label holder                                             |
| Product weight                                       | 1095 g                                                                       |
| Electrical connection 1, function                    | Field device side                                                            |
| Electrical connection 1, design                      | Angular                                                                      |
| Electrical connection 1, connection type             | Hybrid socket                                                                |
| Electrical connection 1, cable outlet                | Straight                                                                     |
| Electrical connection 1, connector system            | Connection pattern L5                                                        |
| Electrical connection 1, number of connections/cores | 14                                                                           |
| Electrical connection 1, used connections/cores      | 13                                                                           |
| Electrical connection 1, type of mounting            | Snap-locking                                                                 |
| Electrical connection 1, connection pattern          | 00997533                                                                     |
| Electrical connection 2, function                    | Controller side                                                              |
| Electrical connection 2, connection type             | Cable                                                                        |
| Electrical connection 2, cable outlet                | Straight                                                                     |
| Electrical connection 2, connector system            | Open end                                                                     |
| Electrical connection 2, number of connections/cores | 12                                                                           |
| Electrical connection 2, used connections/cores      | 12                                                                           |
| electrical connection 2, type of mounting            | Plug-in                                                                      |
| Electrical connection 2, connection pattern          | 00997534                                                                     |
| Operational voltage range DC                         | 0 V ... 48 V                                                                 |
| Current rating at 40° C                              | 7.6 A                                                                        |
| Immunity to surge                                    | 1.5 kV                                                                       |
| Shielding                                            | yes                                                                          |
| Cable length                                         | 7.5 m                                                                        |
| Cable characteristic                                 | Suitable for energy chains                                                   |
| Test conditions cable                                | Test conditions on request                                                   |
| Bending radius, fixed cable                          | 42 mm                                                                        |
| Bending radius, moving cable                         | 78.75 mm                                                                     |
| Cable diameter                                       | 10.5 mm                                                                      |
| Cable diameter tolerance                             | ± 0.3 mm                                                                     |
| Cable structure                                      | 4 x 0.5 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> |
| Nominal cross section conductor                      | 0.5 mm <sup>2</sup>                                                          |
| Wire ends                                            | Wire ferrule                                                                 |
| Degree of protection                                 | IP20                                                                         |
| Note on degree of protection                         | In assembled state                                                           |

| Feature                                      | Value                                |
|----------------------------------------------|--------------------------------------|
| Ambient temperature                          | -40 °C ... 90 °C                     |
| Ambient temperature with moving cable        | -25 °C ... 80 °C                     |
| Overvoltage category                         | I                                    |
| 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 zone III                   |
| Note on materials                            | RoHS-compliant<br>Free of halogen    |
| Pollution degree                             | 3                                    |
| Corrosion resistance class CRC               | 1 - Low corrosion stress             |
| Material cable sheath                        | TPE-U(PUR)                           |
| Cable sheath colour                          | Grey                                 |
| Material insulating sheath                   | PP                                   |