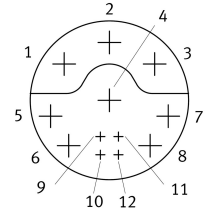


# Motor cable

## NEBM-M17G12-EH-5-Q9N-LE12

Part number: 8234029

FESTO



## Data sheet

| Feature                                              | Value                            |
|------------------------------------------------------|----------------------------------|
| Based on standard                                    | EN 61984                         |
| Cable designation                                    | Without inscription label holder |
| Product weight                                       | 940 g                            |
| Electrical connection                                | 12-pin                           |
| Electrical connection 1, function                    | Field device side                |
| Electrical connection 1, design                      | Round                            |
| Electrical connection 1, connection type             | Hybrid socket                    |
| Electrical connection 1, cable outlet                | Straight                         |
| Electrical connection 1, connector system            | M17x0.75                         |
| Electrical connection 1, number of connections/cores | 12                               |
| Electrical connection 1, used connections/cores      | 12                               |
| Electrical connection 1, type of mounting            | Screw-type lock                  |
| 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                          |
| Operational voltage range DC                         | 0 V...48 V                       |
| Current rating at 40° C                              | 17.8 A                           |
| Immunity to surge                                    | 1.5 kV                           |
| Shielding                                            | yes                              |
| Cable length                                         | 5 m                              |
| Cable characteristic                                 | Suitable for energy chains       |
| Test conditions cable                                | Test conditions on request       |
| Bending radius, fixed cable                          | 43.2 mm                          |
| Bending radius, moving cable                         | 81 mm                            |
| Cable diameter                                       | 10.8 mm                          |

| Feature                                      | Value                                                                        |
|----------------------------------------------|------------------------------------------------------------------------------|
| Cable diameter tolerance                     | ± 0.3 mm                                                                     |
| Cable structure                              | 4 x 1.5 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> |
| Nominal cross section conductor              | 0.15 mm <sup>2</sup><br>0.5 mm <sup>2</sup><br>1.5 mm <sup>2</sup>           |
| Wire ends                                    | Wire ferrule                                                                 |
| Degree of protection                         | IP67                                                                         |
| Note on degree of protection                 | In assembled state                                                           |
| 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                                                                           |