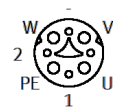


# motor cable

## NEBM-M16G8-E-15-Q7-LE8-1

Part number: 8085953  
Product to be discontinued

FESTO



### Data sheet

| Feature  | Value  |
|--|--|
| Based on the standard                                | EN 61984   |
| Cable identification                                 | Without inscription label holder   |
| Product weight                                       | 2,500 g  |
| Electrical connection 1, function                    | Field device side  |
| Electrical connection 1, design                      | Round  |
| Electrical connection 1, connection type             | Plug socket  |
| Electrical connection 1, cable outlet                | Straight   |
| Electrical connection 1, connection technology       | M16x0,75   |
| Electrical connection 1, number of pins/wires        | 8  |
| Electrical connection 1, occupied pins/wires         | 6  |
| Electrical connection 2, function                    | Controller side  |
| Electrical connection 2, connection type             | Cable  |
| Electrical connection 2, connection technology       | Open end   |
| Electrical connection 2, number of pins/wires        | 8  |
| Electrical connection 2, occupied pins/wires         | 6  |
| Operating voltage range DC                           | 0 ... 600 V  |
| Note on operating voltage range DC                   | 0 - 300 V for 0.25 mm <sup>2</sup>   |
| Operating voltage range AC                           | 0 ... 600 V  |
| Note on operating voltage range AC                   | 0 - 300 V for 0.25 mm <sup>2</sup>   |
| Acceptable current load at 40°C                      | 12 A   |
| Note on acceptable current load at 40°C              | 4 A for 0.25 mm <sup>2</sup>   |
| Surge strength                                       | 6 kV   |
| Note on surge resistance                             | 4 kV for 0.25 mm <sup>2</sup>  |
| Cable length   | 15 m   |
| Cable attribute                                      | Suitable for energy chains   |
| Bending radius, fixed cable installation             | ≥ 55 mm  |
| Bending radius, flexible cable installation          | ≥ 110 mm   |
| Cable diameter                                       | 11 mm  |
| Cable structure                                      | 4x0,75+2x(2x0,25)<br>Shielded  |
| Nominal conductor cross-section                      | 0.25 mm <sup>2</sup><br>0.75 mm <sup>2</sup>                                 |
| Wire ends  | Cable end sleeve to DIN 46228-A..-10<br>Cable end sleeve to DIN 46228-E..-10 |
| Protection class                                     | IP65   |
| Note on degree of protection                         | in assembled condition   |
| Ambient temperature                                  | -50 ... 90 °C  |
| Ambient temperature with flexible cable installation | -40 ... 90 °C  |
| CE mark (see declaration of conformity)              | to EU directive low-voltage devices<br>in accordance with EU RoHS directive  |
| UKCA marking (see declaration of conformity)         | To UK instructions for electrical equipment<br>To UK RoHS instructions       |
| PWIS conformity                                      | VDMA24364-B2-L   |
| Materials note                                       | Conforms to RoHS   |
| Degree of contamination                              | 3  |
| Corrosion resistance classification CRC              | 0 - No corrosion stress  |
| Material cable sheath                                | TPE-U(PUR)   |
| Cable sheath colour                                  | Orange   |
| Material insulation                                  | TPE-E  |