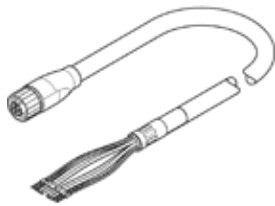
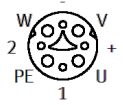


# motor cable

## NEBM-M16G8-E-20-Q9-LE8

Part number: 5085051  
Product to be discontinued

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Based on the standard                                | EN 61984  |
| Cable identification                                 | Without inscription label holder  |
| 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 0.5 mm <sup>2</sup>   |
| Operating voltage range AC                           | 0 ... 600 V   |
| Note on operating voltage range AC                   | 0 - 300 V for 0.5 mm <sup>2</sup>   |
| Acceptable current load at 40°C                      | 16 A  |
| Note on acceptable current load at 40°C              | 8 A for 0.5 mm <sup>2</sup>   |
| Surge strength                                       | 6 kV  |
| Note on surge resistance                             | 4 kV for 0.5 mm <sup>2</sup>  |
| Cable length   | 20 m  |
| Cable attribute                                      | Suitable for energy chains  |
| Bending radius, fixed cable installation             | ≥ 64 mm   |
| Bending radius, flexible cable installation          | ≥ 128 mm  |
| Cable diameter                                       | 12.8 mm   |
| Cable structure                                      | 4x1,5+2x(2x0,5)<br>Shielded   |
| Nominal conductor cross-section                      | 1.5 mm <sup>2</sup><br>0.5 mm <sup>2</sup>                                  |
| Wire ends  | Wire end ferrule  |
| 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   |