

# motor cable

## NEBM-M16G8-E-25-Q9-LE8

Part number: 5085052  
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	25 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) Shielded
Nominal conductor cross-section	1.5 mm <sup>2</sup> 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 in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment 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