

# Motor cable NEBM-M16G8-E-2.5-Q7-LE8

Part number: 8004662

FESTO



 General operating condition

## Data sheet

Feature	Value
Based on norm	EN 61984
Cable designation	Without label holder
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	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 for input 1, connection pattern	00995654
Electrical connection 2, function	Control 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
DC operating voltage range	0 V ... 600 V
Note on operating voltage range DC	0 - 300 V for conductor cross-section of 0.25 mm <sup>2</sup>
Operating voltage range AC	0 V ... 600 V
Note on operating voltage range AC	0 - 300 V for conductor cross-section of 0.25 mm <sup>2</sup>
Current rating at 40° C	12 A
Note on acceptable current load at 40° C	4 A for conductor cross-section of 0.25 mm <sup>2</sup>
Surge resistance	6 kV
Note on surge resistance	4 kV for a conductor cross-section of 0.25 mm <sup>2</sup>
Shield	yes
Cable length	2.5 m
Cable characteristic	Suitable for energy chains
Bending radius, fixed cable installation	≥55 mm
Bending radius, flexible cable installation	≥110 mm
Cable diameter	11 mm
Cable design	4 x 0.75 mm <sup>2</sup> + 2 x (2 x 0.25 mm <sup>2</sup> )
Nominal conductor cross section	0.25 mm <sup>2</sup>
Wire ends	Cable end sleeve
Degree of protection	IP65
Note on degree of protection	In mounted state
Ambient temperature	-50 °C ... 90 °C
Ambient temperature with flexible cable installation	-40 °C ... 90 °C

<b>Feature</b>	<b>Value</b>
CE marking (see declaration of conformity)	As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK instructions for electrical equipment
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Contamination level	3
Corrosion resistance class (CRC)	0 - No corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Orange
Insulating sheath material	TPE-E