

# Motor cable NEBM-LX/M17-

Part number: 8181663

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Based on standard	EN 61984
Cable designation	Without inscription label holder
Product weight	365 g ... 1880 g
Electrical connection	12-pin 14-pin
Electrical connection 1, function	Field device side
Electrical connection 1, design	Square Round
Electrical connection 1, connection type	Hybrid socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	Connection pattern L10 Connection pattern L5 M17x0.75
Electrical connection 1, number of connections/cores	14
Electrical connection 1, used connections/cores	13
Electrical connection 1, type of mounting	Snap-locking Screw-type lock
Electrical connection 1, connection pattern	00997531 00997533
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Socket Cable
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connector system	Connection pattern L10 Connection pattern L5 M17x0.75 Open end
Electrical connection 2, number of connections/cores	14
Electrical connection 2, used connections/cores	13
electrical connection 2, type of mounting	Snap-locking Screw-type lock Plugged in
Electrical connection 2, connection pattern	00997532 00997534
Operational voltage range DC	0 V ... 48 V
Current rating at 40° C	7.6 A ... 17.8 A
Immunity to surge	1.5 kV
Shielding	Yes

Feature	Value
Cable length	0.5 m ... 20 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	42 mm ... 43.2 mm
Bending radius, moving cable	78.75 mm ... 81 mm
Cable diameter	10.5 mm ... 10.8 mm
Cable diameter tolerance	± 0.3 mm
Cable structure	4 x 0.5 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> 4 x 0.75 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 6 x 0.15 mm <sup>2</sup> 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	1.5 mm <sup>2</sup>
Wire ends	Wire ferrule Crimp pin terminal
Degree of protection	IP20 IP67
Note on degree of protection	In mounted 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 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