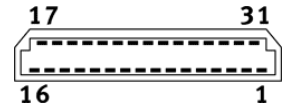
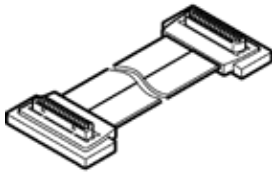


# motor cable

## NEBM-F1W31-XC-0.5-F1N-DF1W31

Part number: 8079819

FESTO



## Data sheet

Feature	Value
Cable identification	Without inscription label holder
Connection frequency	30
Product weight	27 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Angular
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, note about the cable outlet	90°
Electrical connection 1, connection technology	Connection pattern F1
Electrical connection 1, number of pins/wires	31
Electrical connection 1, occupied pins/wires	31
Electrical connection 1, type of mounting	Snap-in locking
Electrical connection 2, function	Controller side
Electrical connection 2, design	Angular
Electrical connection 2, connection type	Plug socket
Electrical connection 2, cable outlet	Angled
Electrical connection 2, note on cable outlet	90°
Electrical connection 2, connection technology	Connection pattern F1
Electrical connection 2, number of pins/wires	31
Electrical connection 2, occupied pins/wires	31
Electrical connection 2, type of mounting	Snap-in locking
Operating voltage range DC	0 ... 50 V
Nominal operating voltage DC	24 V
Acceptable current load at 40°C	0.5 A
Surge strength	0.25 kV
Cable length	0.5 m
Cable attribute	for dynamic applications
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	0 mm
Information on bending radius, fixed cable installation	Can be bent once
Bending radius, flexible cable installation	≥ 25 mm
Cable structure	31 wires, distance 0.5 mm
Nominal conductor cross-section	0.0105 mm <sup>2</sup>
Protection class	IP20
Note on degree of protection	in assembled condition
Ambient temperature	-20 ... 75 °C
Ambient temperature with flexible cable installation	-5 ... 70 °C
Storage temperature	-25 ... 55 °C
CE mark (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Degree of contamination	1
Corrosion resistance classification CRC	1 - Low corrosion stress
Material cable sheath	PET
Cable sheath colour	Grey
Material housing	PA
Housing colour	Black
Material electrical contact	Copper alloy, tinned