

Motor cable

NEBM-SF1W31-E-3-N-LE24

Part number: 8219831

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Conforms to standard	DIN 47100
Intended use	The connecting cable connects field devices (sensors, actuators) with controllers.
Cable designation	Without label holder
Product weight	890 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Rectangular
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, information on cable outlet	90°
Electrical connection 1, connection technology	Connection diagram F1
Electrical connection 1, number of pins/wires	31
Electrical connection 1, type of mounting	Snap-locking
Electrical connection for input 1, connection pattern	00995929
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	24
Electrical connection 2, occupied pins/wires	24
DC operating voltage range	0 V ... 50 V
Nominal operating voltage DC	24 V
Shield	yes
Cable length	3 m
Cable characteristic	Suitable for energy chains
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	≥23.1 mm
Bending radius, flexible cable installation	≥33 mm
Cable diameter	4.6 mm
Cable design	8 x 0.08 mm ²
Nominal conductor cross section	AWG23 AWG28
Wire ends	Cable end sleeve
Degree of protection	IP20
Note on degree of protection	In mounted state
Ambient temperature	-5 °C ... 70 °C
Ambient temperature with flexible cable installation	-5 °C ... 70 °C

Feature	Value
Storage temperature	-5 °C ... 70 °C
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	as per UK RoHS instructions (UK-R)
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Material of cable sheath	PUR
Housing colour	Black