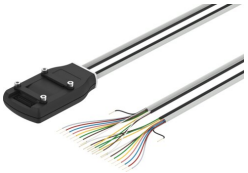
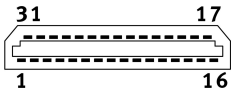
Motor cable
NEBM-SF1W31-E-3-N-LE24

Part number: 8219831





Data sheet

Feature	Value
Conforms to standard	DIN 47100
Intended use	The connecting cable connects field devices (sensors, actuators) with controllers.
Cable designation	Without inscription label holder
Product weight	890 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Square
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, note on cable outlet	90°
Electrical connection 1, connector system	Connection pattern F1
Electrical connection 1, number of connections/cores	31
Electrical connection 1, type of mounting	Snap-locking
Electrical connection 2, function	Control side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	24
Electrical connection 2, used connections/cores	24
Operational voltage range DC	0 V...50 V
Nominal operating voltage DC	24 V
Shielding	Yes
Cable length	3 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	23.1 mm
Bending radius, moving cable	33 mm
Cable diameter	4.6 mm
Cable structure	4 x 0.25 mm² 8 x 0.08 mm²
Conductor nominal cross section	AWG23 AWG28
Wire ends	Wire ferrule

Feature	Value
Degree of protection	IP20
Note on degree of protection	In mounted state
Ambient temperature	-5 °C...70 °C
Ambient temperature with moving cable	-5 °C...70 °C
Storage temperature	-5 °C...70 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	according to UK RoHS instructions (UK-R)
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS compliant
Material cable sheath	PUR
Housing colour	Black