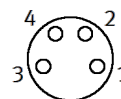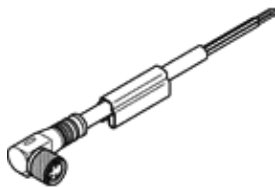# Connecting cable
NEBU-M8W4-K-2.5-LE4
Part number: 541344

FESTO

for proximity sensors, position transmitter, pressure switch, flow sensors, visual and inductive sensors.

Data sheet

Feature	Value
Conforms to standard	Core colours and connection numbers to EN 60947-5-2
	EN 61076-2-104
Cable identification	with 2x label holders
Product weight	72 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Screw lock
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connection technology	Open end
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	4
Operating voltage range DC	0 ... 30 V
Operating voltage range AC	0 ... 30 V
Acceptable current load at 40°C	3 A
Surge strength	0.8 kV
Cable length	2.5 m
Cable attribute	Standard
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Energy chain: › 5 million cycles, bending radius 75 mm
Bending radius, fixed cable installation	14 mm
Bending radius, flexible cable installation	46 mm
Cable diameter	4.5 mm
Cable diameter tolerance	± 0,1 mm
Cable structure	4x0,25
Nominal conductor cross-section	0.25 mm2
Protection class	IP65
	IP68
	IP69K
Note on degree of protection	in assembled condition
Special characteristics	Oil resistant
Ambient temperature	-25 ... 70 °C
Ambient temperature with flexible cable installation	-5 ... 70 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS

Feature	Value
	Halogen-free
	Free of phosphoric acid ester
Degree of contamination	3
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Grey
Material housing	TPE-U(PUR)
Housing color	Black
Material screw-type lock	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material insulation	PP