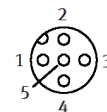# connecting cable
NEBU-M12G5-K-5-LE5

Part number: 541331

FESTO

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

Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable identification	with 2x label holders
Product weight	146 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	Straight
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, occupied pins/wires	5
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	5
Electrical connection 2, occupied pins/wires	5
Operating voltage range DC	0 ... 60 V
Operating voltage range AC	0 ... 60 V
Acceptable current load at 40°C	4 A
Surge strength	1.5 kV
Cable length	5 m
Cable attribute	Standard
Test conditions of cable	Bending strength according to Festo standard
	Test conditions on request
	Chain link trunking: 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	5x0,25
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 mark (see declaration of conformity)	to EU directive low-voltage devices
	in accordance with EU RoHS directive
Materials note	Free of copper and PTFE
	Conforms to RoHS
	Halogen-free

Feature	Value
	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 colour	Grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material insulation	PP