

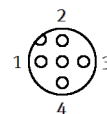
# connecting cable

## NEBU-M12G5-K-2.5-M8G4

Part number: 554036

FESTO

for proximity sensor SIEA and signal converter SVE4



## Data sheet

Feature	Value
Conforms to standard	Core colours and connection numbers to EN 60947-5-2 EN 61076-2-101 EN 61076-2-104
Cable identification	with 2x label holders
Product weight	81 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	4
Electrical connection 1, type of mounting	Screw lock
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Screw lock
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 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	4x0,25
Nominal conductor cross-section	0.25 mm <sup>2</sup>
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)	in accordance with EU RoHS directive

Feature	Value
Materials note	Free of copper and PTFE Conforms to RoHS 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 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