

connecting cable

NEBU-M8G3-R-10-LE3

Part number: 8003129

FESTO



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	242 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	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, occupied pins/wires	3
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	3
Electrical connection 2, occupied pins/wires	3
Operating voltage range DC	0 ... 60 V
Operating voltage range AC	0 ... 60 V
Acceptable current load at 40°C	3 A
Surge strength	1.5 kV
Cable length	10 m
Cable attribute	For robots
Test conditions of cable	Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 28 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m
Bending radius, fixed cable installation	12 mm
Bending radius, flexible cable installation	39 mm
Cable diameter	3.8 mm
Cable diameter tolerance	± 0,1 mm
Cable structure	3x0,25
Nominal conductor cross-section	0.25 mm ²
Protection class	IP65 IP68 IP69K
Note on degree of protection	in assembled condition
Special characteristics	Oil resistant
Ambient temperature	-25 ... 80 °C
Ambient temperature with flexible cable installation	-5 ... 80 °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 Free of phosphoric acid ester

Feature	Value
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