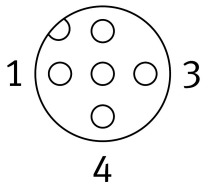


# Connecting cable

## NEBU-M12W5P-K-2.5-LE3

Part number: 541366

FESTO



### Data sheet

Feature	Value
Conforms to standard	Wire colors and connection numbers as per EN 60947-5-2 EN 61076-2-101
Ready status indication	LED green
Switching status indication	LED yellow For PNP N/O contact
Cable designation	With 2x label holders
Product weight	70 g
Electrical connection 1, function	Field device end
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Angled
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, occupied pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 2, function	Control 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
DC operating voltage range	10 V...30 V
Current rating at 40° C	4 A
Surge resistance	0.8 kV
Cable length	2.5 m
Cable characteristic	Standard
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm
Bending radius, fixed cable installation	12 mm
Bending radius, flexible cable installation	39 mm
Cable diameter	3.8 mm

Feature	Value
Cable diameter tolerance	± 0.1 mm
Cable design	3 x 0.25 mm <sup>2</sup>
Nominal conductor cross section	0.25 mm <sup>2</sup>
Degree of protection	IP65 IP68 IP69K
Note on degree of protection	In mounted state
Special features	Oil-resistant
Ambient temperature	-25 °C...70 °C
Ambient temperature with flexible cable installation	-5 °C...70 °C
CE marking (see declaration of conformity)	As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Halogen-free Free of phosphoric acid ester
Contamination level	3
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Brass, nickel-plated
Seals material	NBR
Material of pin contacts	Copper alloy, gold-plated
Insulating sheath material	PP