

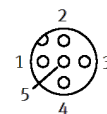
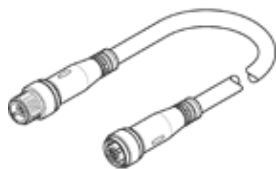
# connecting cable

## NEBU-M12G5-E-7.5-Q8N-M12G5

Part number: 574322

FESTO

Suitable for use with energy chains.



## Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable identification	Without inscription label holder
Connection frequency	100
Product weight	635 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, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 2, number of pins/wires	5
Electrical connection 2, occupied pins/wires	5
Electrical connection 2, type of mounting	Screw lock
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	7.5 m
Cable attribute	Suitable for energy chains
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	21 mm
Bending radius, flexible cable installation	71 mm
Cable diameter	7 mm
Cable diameter tolerance	± 0,1 mm
Cable structure	5x1
Nominal conductor cross-section	1 mm <sup>2</sup>
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
Storage temperature	-25 ... 80 °C
CE mark (see declaration of conformity)	to EU directive low-voltage devices

<b>Feature</b>	<b>Value</b>
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK RoHS instructions
PWIS conformity	VDMA24364-B2-L
Materials note	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