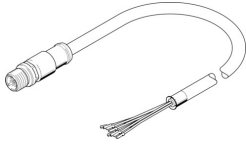


Connecting cable NEBS-SM12G12-E-0.5-N-LE12

Part number: 3947401

FESTO



 General operating condition

Data sheet

Feature	Value
Conforms to standard	EN 61076-2-101
Cable designation	With accessories
Frequency of connection	100
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plugs
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	12
Electrical connection 1, used connections/cores	12
Electrical connection 1, type of mounting	Screw-type lock with hexagon, size 13
Electrical connection 1, connection pattern	00995669
Electrical connection 2, function	Controller side
Electrical connection 2, connection type	Cable
Electrical connection 2, connector system	Open end
Electrical connection 2, number of connections/cores	12
Electrical connection 2, used connections/cores	12
Operational voltage range DC	0 V ... 30 V
Operational voltage range AC	0 V ... 30 V
Current rating at 40° C	1.5 A
Immunity to surge	0.5 kV
Cable length	0.5 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥32 mm
Bending radius, moving cable	≥65 mm
Cable diameter	6.5 mm
Cable structure	12 x 0.25 mm ²
Nominal cross section conductor	0.25 mm ²
Wire ends	Cut off bluntly
Degree of protection	IP67
Note on degree of protection	In assembled state
Ambient temperature	-5 °C ... 70 °C
Ambient temperature with moving cable	-5 °C ... 70 °C
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions

Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Pollution degree	3
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Black
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Die-cast zinc, nickel-plated
Material electrical contact	Gold-plated brass