

Connecting cable NEBS-M12G5-ES-15-LE5

Part number: 8097576

FESTO



 General operating condition

Data sheet

Feature	Value
Based on standard	EN 61076-2-101
Cable designation	With 2x inscription label holders
Frequency of connection	100
Type of mounting	Via knurled nut
Product weight	828 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Socket
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	5
Electrical connection 1, used connections/cores	5
Electrical connection 1, type of mounting	Screw-type lock Rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 1, connection pattern	00995384
Electrical connection 1, terminal allocation	Pin 1 = BN Pin 2 = WH Pin 3 = BU Pin 4 = BK Pin 5 = GY
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	5
Electrical connection 2, used connections/cores	5
Operational voltage range DC	0 V ... 60 V
Operational voltage range AC	0 V ... 48 V
Current rating at 40° C	4 A
Immunity to surge	1.5 kV
Protective conductor connection	Not available
Shielding	yes
Cable length	15 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Test conditions on request
Bending radius, fixed cable	≥26 mm
Bending radius, moving cable	≥52 mm

Feature	Value
Cable diameter	5.25 mm
Cable diameter tolerance	± 0.2 mm
Cable structure	5 x 0.34 mm ²
Nominal cross section conductor	0.34 mm ²
Conductor nominal cross section	AWG22
Wire ends	Cut off bluntly
Degree of protection	IP65 IP67
Note on degree of protection	In assembled state
Special characteristics	UV resistant Abrasion-resistant Low adhesion Flame-retardant and self-extinguishing Hydrolysis-resistant Alkali resistant Solvent-resistant Resistant to microbes Oil resistant Acid resistant
Ambient temperature	-40 °C ... 80 °C
Ambient temperature with moving cable	-25 °C ... 60 °C
Overvoltage category	II
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Free of halogen Silicone free
Pollution degree	3
Note on the contamination level	In mounted state
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 seals	NBR
Material electrical contact	Nickel-plated and gold-plated bronze
Material insulating sheath	PP