connecting cable
NEBC-F12G8-KH-0.25-N-S-F12G8
Part number: 564189

FESTO

Data sheet

Feature	Value
Based on the standard	Dimensions to EN 61076-2-101
Authorisation	c UL us - Recognized (OL)
Cable identification	Without inscription label holder
Connection frequency	100
Product weight	47 g
Electrical connection 1, function	Field device side
	Controller side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Hybrid plugs
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, with Festo-specific coding
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	8
Electrical connection 1, type of mounting	Screw lock with SW14 and longitudinal knurl
Electrical connection 2, function	Field device side
	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Hybrid plugs
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1, with Festo-specific coding
Electrical connection 2, number of pins/wires	8
Electrical connection 2, occupied pins/wires	8
Electrical connection 2, type of mounting	Screw lock with SW14 and longitudinal knurl
Operating voltage range DC	0 ... 30 V
Acceptable current load at 40°C	7 A
Note on acceptable current load at 40°C	1.5 A for 0.14 mm²
Surge strength	0.8 kV
Cable length	0.25 m
Cable attribute	Standard
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	>= 24 mm
Bending radius, flexible cable installation	>= 56 mm
Cable diameter	8 mm
Cable diameter tolerance	± 0,2 mm
Cable structure	(1x(4x0,14))+4x0,75
Nominal conductor cross-section	0.14 mm2
	0.75 mm2
Protection class	IP65
	IP67
Note on degree of protection	in assembled condition
Special characteristics	Oil resistant
Ambient temperature	-25 ... 70 °C
Ambient temperature with flexible cable installation	-5 ... 70 °C
Storage temperature	-40 ... 70 °C
Materials note	Conforms to RoHS
	Halogen-free

Feature	Value
Degree of contamination	3
Corrosion resistance classification CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	light grey
Material housing	TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated brass
Material electrical contact	Brass, gold-plated
Material insulation	PP