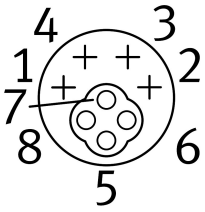
Connecting cable
NEBC-F12G8-KH-3-N-S-F12G8

Part number: 576636





Data sheet

Feature	Value
Based on norm	Dimensions as per EN 61076-2-101
Cable designation	Without label holder
Contact durability	100
Product weight	280 g
Electrical connection 1, function	Field device side Control side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Hybrid plug
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-type lock with AF 14 and longitudinal knurl
Electrical connection 2, function	Field device side Control side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Hybrid plug
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-type lock with AF 14 and longitudinal knurl
DC operating voltage range	0 V...30 V
Current rating at 40° C	7 A
Note on acceptable current load at 40°C	1.5 A for conductor cross-section of 0.14 mm²
Surge resistance	0.8 kV
Cable length	3 m
Cable characteristic	Standard
Connector cable test conditions	Test conditions on request
Bending radius, fixed cable installation	24 mm

Feature	Value
Bending radius, flexible cable installation	56 mm
Cable diameter	8 mm
Cable diameter tolerance	± 0.2 mm
Cable design	(1 x (4 x 0.14 mm²)) + 4 x 0.75 mm²
Nominal conductor cross section	0.14 mm² 0.75 mm²
Degree of protection	IP65 IP67
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
Storage temperature	-40 °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
Contamination level	3
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Light gray
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Brass, nickel-plated
Material of pin contacts	Gold-plated brass
Insulating sheath material	PP