

# Connecting cable

## NEBC-D12G4-ES-10-S-D12G4-ET

Part number: 8040450

FESTO



 General operating condition

## Data sheet

Feature	Value
Certification	c UL us - Listed (OL)
Certificate issuing authority	UL E520706
Cable designation	With label holder
Contact durability	100
Product weight	680 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M12x1, D-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock with hexagon AF13 and vertical knurling Rotatable
Electrical connection 1, type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection for input 1, connection pattern	00995612
Electrical connection 2, function	Control side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M12x1, D-coded as per EN 61076-2-101
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Screw-type lock with hexagon AF 13 and longitudinal knurl Rotatable
Electrical connection 2, type of mounting	Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 2, connection pattern	00995612
DC operating voltage range	0 V ... 60 V
Note on operating voltage range DC	0 - 30 V for UL applications
Current rating	4 A
Surge resistance	1.5 kV
Shield	Yes
Transmission characteristics	According to category 5, ISO/IEC 11801, class D
Cable length	10 m
Cable characteristic	Suitable for energy chains

Feature	Value
Connector cable test conditions	Flexural strength: as per Festo standard Test conditions on request Energy chain: > 2 million cycles, bending radius 100 mm
Bending radius, fixed cable installation	≥40 mm
Bending radius, flexible cable installation	≥100 mm
Cable diameter	6.7 mm
Cable diameter tolerance	± 0.3 mm
Cable design	4 x 0.34 mm <sup>2</sup>
Nominal conductor cross section	0.34 mm <sup>2</sup>
Nominal conductor cross section	AWG22
Degree of protection	IP65 IP67
Note on degree of protection	In mounted state
Special features	Oil-resistant
Vibration resistance	Prüfbedingungen nach Anfrage
Shock resistance	Prüfbedingungen nach Anfrage
Ambient temperature	-25 °C ... 80 °C
Ambient temperature with flexible cable installation	-20 °C ... 60 °C
Storage temperature	-25 °C ... 80 °C
Relative air humidity	93%
Overvoltage category	II
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
Contamination level	3
Note on the contamination level	In mounted state
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Green
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Die-cast zinc, nickel-plated
Material of pin contacts	Brass Gold-plated
Insulating sheath material	Protective grounding
Threaded sleeve material	Die-cast zinc