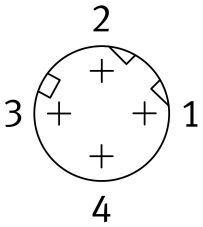
Connecting cable
NEBC-D12G4-ES-1-S-R3G4-ET

Part number: 8040451





Data sheet

Feature	Value
Certification	c UL us - Listed (OL)
Certificate issuing authority	UL E520706
Cable designation	With label holder
Contact durability	100 750
Note on contact durability	100 (electrical connection 1) 750 (electrical connection 2)
Product weight	93.5 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 Compatible with rotatable/non-rotatable screw-type lock
Electrical connection 2, function	Control side
Electrical connection 2, design	Square
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	RJ45 as per IEC 60603-7-3
Electrical connection 2, number of pins/wires	8
Electrical connection 2, occupied pins/wires	4
Electrical connection 2, type of mounting	Snap-locking Compatible with snap-locking
DC operating voltage range	0 V...60 V
Note on operating voltage range DC	0 - 30 V for UL applications
Current rating	1.5 A
Surge resistance	0.8 kV

Feature	Value
Shield	Yes
Transmission characteristics	According to category 5, ISO/IEC 11801, class D
Cable length	1 m
Cable characteristic	Suitable for energy chains
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 mm²
Nominal conductor cross section	0.34 mm² AWG22
Degree of protection	IP20 IP65 IP67
Note on degree of protection	IP20 (electrical connection2) IP65/67 (electrical connection1) In mounted state
Special features	Oil-resistant
Vibration resistance	Test conditions on request
Shock resistance	Test conditions on request
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	25 - 75%
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	Brass, nickel-plated PA 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