

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

Part number: 8040455

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	750
Product weight	89.5 g
Electrical connection 1, function	Field device side
Electrical connection 1, design	Square
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	RJ45 as per IEC 60603-7-3
Electrical connection 1, number of pins/wires	8
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, type of mounting	Snap-locking
Electrical connection 1, type of mounting	Compatible with snap-locking
Electrical connection for input 1, connection pattern	00995653
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
Electrical connection 2, type of mounting	Compatible with snap-locking
Electrical connection 2, connection pattern	00995653
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
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

Feature	Value
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 ²
Nominal conductor cross section	0.34 mm ²
Nominal conductor cross section	AWG22
Degree of protection	IP20
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	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
Housing colour	Black
Material of pin contacts	Brass Gold-plated
Insulating sheath material	Protective grounding