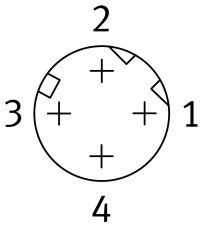
Connecting cable
NEBC-D12G4-ES-3-S-R3G4-ET

Part number: 8040452





Data sheet

Feature	Value
Approval	c UL us - Listed (Oil)
Certificate issuing authority	UL E520706
Cable designation	With inscription label holder
Frequency of connection	100 750
Note on contact durability	100 (electrical connection 1) 750 (electrical connection 2)
Product weight	219.5 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, connector system	M12x1, D-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4
Electrical connection 1, used connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock with 13 mm hexagon and longitudinal knurl Rotatable
Electrical connection 1, compatible type of mounting	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, connector system	RJ45 to IEC 60603-7-3
Electrical connection 2, number of connections/cores	8
Electrical connection 2, used connections/cores	4
electrical connection 2, type of mounting	Snap-locking
Electrical connection 2, compatible type of mounting	Compatible with latching lock
Operational voltage range DC	0 V...60 V
Note on operational voltage range DC	0 - 30 V for UL applications
Permissible current load	1.5 A

Feature	Value
Immunity to surge	0.8 kV
Shielding	Yes
Transmission characteristics	In accordance with category 5, ISO/IEC 11801, class D
Cable length	3 m
Cable characteristic	Suitable for energy chains
Test conditions cable	Bending strength: to Festo standard Test conditions on request Energy chain: > 2 million cycles, bending radius 100 mm
Bending radius, fixed cable	40 mm
Bending radius, moving cable	100 mm
Cable diameter	6.7 mm
Cable diameter tolerance	± 0.3 mm
Cable structure	4 x 0.34 mm²
Nominal cross section conductor	0.34 mm²
Conductor nominal cross section	AWG22
Degree of protection	IP20 IP65 IP67
Note on degree of protection	IP20 (electrical connection 2) IP65/67 (electrical connection 1) In mounted state
Special characteristics	Oil-resistant
Vibration resistance	Test conditions on request
Shock resistance	Test conditions on request
Ambient temperature	-25 °C...80 °C
Ambient temperature with moving cable	-20 °C...60 °C
Storage temperature	-25 °C...80 °C
Relative air humidity	25 - 75%
Overvoltage category	II
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS compliant
Pollution degree	3
Note on the contamination level	In mounted state
Corrosion resistance class CRC	1 - Low corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath colour	Green
Material housing	Brass, nickel-plated PA TPE-U(PUR)
Housing colour	Black
Material screw-type lock	Nickel-plated die-cast zinc
Material electrical contact	Brass Gold-plated
Material insulating sheath	Packaging unit
Material threaded sleeve	Die-cast zinc