Connecting cable
NEBC-D8G4-ES-10-N-S-D8G4-ET-G2

Part number: 8176598

FESTO

Data sheet

Feature	Value
Based on the standard	EN 61076-2-114
Cable identification	Without inscription label holder
Connection frequency	100
Product weight	590 g
Electrical connection 1, function	Controller side
Electrical connection 1, design	Round
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M8x1, D-coded in accordance with EN 61076-2-114
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 longitudinal knurl
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M8x1, D-coded in accordance with EN 61076-2-114
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 longitudinal knurl
Operating voltage range DC	0 ... 30 V
Nominal operating voltage DC	24 V
Acceptable current load at 40°C	3 A
Surge strength	1.5 kV
Polarity protected	No
Protective earth connection	Not available
Shielding	Yes
Transmission properties	as per system communication AP
Cable length	10 m
Cable attribute	Suitable for energy chains
Test conditions of cable	Test conditions on request
Bending radius, fixed cable installation	>= 20 mm
Bending radius, flexible cable installation	>= 75 mm
Cable diameter	6.3 mm
Cable diameter tolerance	± 0,2 mm
Cable structure	1x(4xAWG22)
Nominal conductor cross section (AWG)	AWG22
Protection class	IP65
	IP67
Note on degree of protection	in assembled condition
Special characteristics	Oil resistant
Ambient temperature	-20 ... 60 °C
Ambient temperature with flexible cable installation	-5 ... 60 °C
Storage temperature	-40 ... 70 °C
CE symbol (see declaration of conformity)	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions

Feature	Value
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
	Halogen-free
Degree of contamination	3
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Material cable sheath	TPE-U(PUR)
Cable sheath color	Silver-grey with sky blue stripe
Material housing	PA
	TPE-U(PUR)
Housing color	Black
Material screw-type lock	Nickel-plated brass
Material seals	NBR
Material electrical contact	Gold-plated copper alloy
Material insulation	PP