Connecting cable
NEBS-M12G12-KS-0.5-SM12G12

Part number: 3056124



Data sheet

Feature	Value
Cable designation	With label holder
Mounting position	Any
Product weight	87 g
Electrical connection 1	Straight socket, M12x1, 12-pin, A-coded
Electrical connection 2	Straight socket, M12x1, 12-pin, A-coded
DC operating voltage range	0 V...30 V
Nominal operating voltage DC	30 V
Current rating at 40° C	1.5 A
Surge resistance	0.8 kV
Shield	Yes
Cable length	0.5 m
Cable characteristic	Basic
Connector cable test conditions	Flexural strength: as per Festo standard
Min. cable bending radius	85 mm
Bending radius, fixed cable installation	42.5 mm
Cable diameter	8.5 mm
Cable diameter tolerance	± 0.2 mm
Cable design	12 x 0.14 mm²
Connection cross section	0.14 mm²
Wire insulation color code	Pin 1 = brown Pin 10 = purple Pin 11 = gray/pink Pin 12 = red/blue Pin 2 = blue Pin 3 = white Pin 4 = green Pin 5 = pink Pin 6 = yellow Pin 7 = black Pin 8 = gray Pin 9 = red
Degree of protection	IP67
Ambient temperature	-30 °C...80 °C
Ambient temperature with flexible cable installation	-25 °C...80 °C

Feature	Value
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
Corrosion resistance class (CRC)	0 - No corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Black
Material of union nut	Die-cast zinc
Seals material	NBR
Material of pin contacts	Brass Nickel-plated and gold-plated