Connecting cable NEBA-LE4-U-2.5-N-M8G4 Part number: 8078272





Data sheet

Feature	Value
Conforms to standard	EN 61076-2-104 EN 61984
Certification	c UL us - Listed (OL)
Intended use	The connecting cable connects field devices (sensors, actuators) with controllers.
Certificate issuing authority	UL E253748
Cable designation	Without label holder
Contact durability	100
Product weight	67 g
Application note	Meets the requirements of IEC 61010-1 and 61010-2-202, in particular for electrically operated valves from Festo. Only energy-limited circuits with a maximum current of 4 A at a max. open circuit voltage of 30 VDC are permitted to be used for supplying electrically actuated valves from Festo.
Electrical connection 1, function	Field device end
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	4
Electrical connection 1, occupied pins/wires	4
Electrical connection 1, terminal allocation	Pin 1 = BN Pin 2 = WH Pin 3 = BU Pin 4 = BK
Electrical connection 1, display	without
Electrical connection 2, function	Control side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plug
Electrical connection 2, cable outlet	Straight
Electrical connection 2, connection technology	M8x1 A-coded as per EN 61076-2-104
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 hexagon AF 9 and longitudinal knurl
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Pin 2 = WH Pin 3 = BU Pin 4 = BK	Feature	Value
Pin 3 = BU Pin 4 = BK	Electrical connection 2, terminal allocation	
Electrical connection 2, display Without O. Operating voltage range O. V60 V O. 30 V for UL applications Over. 60 V O		Pin 3 = BU
Overating voltage range Overating voltage range DC O - 30 V for UL applications		
Note on operating voltage range DC 0 - 30 V for UL applications OV48 V 3 OV48 V 3 OV48 V 3 OV48 V 4 A 5 Surge resistance 1 - 5 kV 3 Listable for energy chains/robot applications Benefating at 40° C 3 Use of energy chains/robot applications Surge resistance 3 Listable for energy chains/robot applications abaration-resistant bow adhesion Flame-retardant and self-extinguishing Fest conditions on request Tossional resistance 300 000 cycles, 270°/0.1 m Bending fatigue strength: \$0000 cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm Note on connector cable test conditions 1 Est conditions on request Tossional resistance 300 000 cycles, bending radius 28 mm Note on connector cable test conditions 1 tested at 23 °C 1 mm Seeding radius, Rebible cable installation 2 h mm A 0.25 mm ² A wind a million cycles, bending radius 28 mm A wind a million cycles, bending radius 28 mm A wind a million cycles, bending radius 28 mm A wind a million cycles, bending radius 28 mm A wind a million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm A million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm A million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm A million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm A million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 5 mm Energy chain 5		
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Sending radius, flexible cable installation Able diameter As nm As nm As Nominal conductor cross section O.25 mm² Stripped Cut off bluntly Degree of protection Wire ends Stripped Cut off bluntly P68 P68 P698 Note on degree of protection Uv-resistant hydrolysis resistant Resistant to microbes Oil-resistant Oil-resistant Occur-resistant O	Note on connector cable test conditions	tested at 23 °C
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IP68 IP69K	Wire ends	
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Relative air humidity Max. 93% at 40 °C Nominal altitude of use above sea level CE marking (see declaration of conformity) JKCA marking (see declaration of conformity) As per EU RoHS directive JKCA marking (see declaration of conformity) To UK RoHS instructions VDMA24364-B2-L Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	Storage temperature	-25 °C55 °C
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from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils	LABS (PWIS) conformity	
Cleanroom class Class 4 according to ISO 14644-1	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
	Cleanroom class	Class 4 according to ISO 14644-1

Feature	Value
Note on materials	CFC-free RoHS-compliant Cadmium-free Halogen-free Free of phosphoric acid ester
Contamination level	3
Corrosion resistance class (CRC)	1 - Low corrosion stress
Material of cable sheath	TPE-U(PUR)
Color cable sheath	Gray
Housing material	TPE-U(PUR)
Housing colour	Black
Material of screw-type lock	Die-cast zinc, nickel-plated
Seals material	FPM
Material of pin contacts	Copper alloy, gold-plated
Insulating sheath material	PP