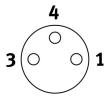
Connecting cable NEBU-M8W3-K-2.5-LE3 Part number: 541338

FESTO





Data sheet

Explosion prevention and protection Disserve the information on the certificate 2	Feature	Value
Zone 2 (ATEX) Zone 22 (ATEX) Zone 23 (ATEX) Zone 24 (ATEX) Zore 24 (ATEX) Zoxek Zone 24 (ATEX) Zoxek Z	Conforms to standard	· ·
Product weight Electrical connection 1, function Electrical connection 1, design Round Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Electrical connection 2, function Control side Electrical connection 2, connection pattern Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3	Explosion prevention and protection	Zone 2 (ATEX)
Electrical connection 1, function Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, number of pins/wires 3 Electrical connection 2, cocupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable length Cable characteristic Standard Flexural strength: as per Festo standard Iest conditions on request Energy chain 3 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation 2.8 mm Cable diameter Cable diameter tolerance ± 0.1 mm	Cable designation	With 2x label holders
Electrical connection 1, design Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, connection Echnology Open end Electrical connection 2, cocupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 15 Electrical connection 2, occupied pins/wires 16 Electrical connection 2, occupied pins/wires 17 Electrical connection 2, occupied pins/wires 18 Electrical connection 2, occ	Product weight	64 g
Electrical connection 1, connection type Electrical connection 1, cable outlet Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Ectrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, connection pattern Oo991871 Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 4 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 4 Electrical connection 2, occupied pins/wires 4 Electrical connection 2, occupied pins/wires 4 Ele	Electrical connection 1, function	Field device end
Electrical connection 1, cable outlet Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Screw-type lock Electrical connection 1, type of mounting Electrical connection or input 1, connection pattern 00991871 Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection type Cable Electrical connection 2, connection type Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 Coperating voltage range 0 V 60 V Operating voltage range AC 0 V 60 V Current rating at 40° C 3 A Surge resistance 1.5 kV Cable length Cable ength Cable ength Cable tharacteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, fixed cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 1, design	Round
Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, occupied pins/wires 3 Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, function Control side Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 3 Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3 DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable characteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, fixied cable installation 39 mm Cable diameter Cable diameter tolerance ± 0.1 mm	Electrical connection 1, connection type	Socket
Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 1, type of mounting Electrical connection 1, type of mounting Electrical connection 2, function Electrical connection 2, function Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Belectrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 Bo Coperating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable length Cable characteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation 2.5 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 1, cable outlet	Angled
Electrical connection 1, occupied pins/wires Electrical connection 1, type of mounting Electrical connection for input 1, connection pattern Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3 Electrical connection 2, occupied pins/wires 3 BLO operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length 2.5 m Cable characteristic Standard Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation 20 mm Bending radius, flexible cable installation 21 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance \$0.1 mm	Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, type of mounting Screw-type lock Electrical connection for input 1, connection pattern O0991871 Electrical connection 2, function Electrical connection 2, connection type Cable Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3 DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance Cable length Cable length Cable characteristic Standard Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter Cable diameter tolerance ± 0.1 mm	Electrical connection 1, number of pins/wires	3
Electrical connection for input 1, connection pattern Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection type Electrical connection 2, connection technology Open end Electrical connection 2, number of pins/wires 3 Electrical connection 2, occupied pins/wires 3 DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable characteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation Bending radius, flexible cable installation 2.5 mm 3.8 mm Cable diameter Clable diameter tolerance ± 0.1 mm	Electrical connection 1, occupied pins/wires	3
Electrical connection 2, function Electrical connection 2, connection type Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Belectrical connection 2, occupied pins/w	Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 2, connection type Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires Belectrical connection 2, occu	Electrical connection for input 1, connection pattern	00991871
Electrical connection 2, connection technology Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires 3 DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable characteristic Connector cable test conditions Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires 3 OV 60 V 3 A Surge resistance 1.5 kV Cable length Cable characteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 2, function	Control side
Electrical connection 2, number of pins/wires Electrical connection 2, occupied pins/wires DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length 2.5 m Cable characteristic Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation 12 mm Bending radius, flexible cable installation 23 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 2, connection type	Cable
Electrical connection 2, occupied pins/wires DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length 2.5 m Cable characteristic Standard Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 2, connection technology	Open end
DC operating voltage range OV 60 V Operating voltage range AC OV 60 V Current rating at 40° C Surge resistance 1.5 kV Cable length Cable characteristic Standard Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 2, number of pins/wires	3
Operating voltage range AC Current rating at 40° C Surge resistance 1.5 kV Cable length Cable characteristic Standard Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Electrical connection 2, occupied pins/wires	3
Current rating at 40° C Surge resistance 1.5 kV Cable length 2.5 m Cable characteristic Standard Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	DC operating voltage range	0 V 60 V
Surge resistance 1.5 kV Cable length 2.5 m Cable characteristic Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Operating voltage range AC	0 V 60 V
Cable length Cable characteristic Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Current rating at 40° C	3 A
Cable characteristic Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm ± 0.1 mm	Surge resistance	1.5 kV
Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm 12 mm Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Cable length	2.5 m
Test conditions on request Energy chain > 5 million cycles, bending radius 75 mm Bending radius, fixed cable installation Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm £ 0.1 mm	Cable characteristic	Standard
Bending radius, flexible cable installation 39 mm Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Connector cable test conditions	Test conditions on request
Cable diameter 3.8 mm Cable diameter tolerance ± 0.1 mm	Bending radius, fixed cable installation	12 mm
Cable diameter tolerance ± 0.1 mm	Bending radius, flexible cable installation	39 mm
	Cable diameter	3.8 mm
Cable design 3 x 0.25 mm ²	Cable diameter tolerance	± 0.1 mm
	Cable design	3 x 0.25 mm ²

Feature	Value
Nominal conductor cross section	0.25 mm ²
Degree of protection	IP65 IP68 IP69K
Note on degree of protection	In mounted state
Special features	Oil-resistant
Ambient temperature	-25 °C 70 °C
Ambient temperature with flexible cable installation	-5 °C 70 °C
CE marking (see declaration of conformity)	As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK RoHS instructions
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant Halogen-free Free of phosphoric acid ester
Contamination level	3
Corrosion resistance class (CRC)	2 - Moderate 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	Brass, nickel-plated
Seals material	NBR
Material of pin contacts	Copper alloy, gold-plated
Insulating sheath material	PP