## Connecting cable NEBA-M8G4-U-2.5-N-LE4 Part number: 8078227





## **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	66 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, design	Round
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
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 hexagon AF 9 and longitudinal knurl
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, connection type	Cable
Electrical connection 2, connection technology	Open end
Electrical connection 2, number of pins/wires	4
Electrical connection 2, occupied pins/wires	4

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 or energy chains/robot applications  abrasion-resistant  abrasion-resistant  abrasion-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  10 Self and the self of the		
Oy48   Vote on operating voltage range AC		
Note on operating voltage range AC  Urrent rating at 40°C  Lurrent rating at 40°C  Lurrent rating at 40°C  Lurrent rating at 40°C  Lurrent rating at 40°C  Lable length  2.5 m  Suitable for energy chains/robot applications abasions resistant low adhesion Rame retardant and self extinguishing  Each characteristic  Barbasion resistant low adhesion Rame retardant and self extinguishing  Each characteristic abasions request  Fast conditions on request  Test conditions on request Rending radius as the self-self-self-self-self-self-self-self-		**
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Surge resistance 1.5 kV 2.5 m 2.5 m 2.5 m 2.5 m 2.5 m 2.5 m 3 bite length 2.5 m 2.5 m 3 bite length 3.5 bite length 3.6 bite length 3.7 bite length 3.7 bite length 3.8 bite length 3.8 bite length resistant 3 bite solon-resistant 4 bite solon-resistant 5 bite solon-resistant 5 bite solon-resistant 5 bite solon-resistant 6 bite solon-resistant 6 bite solon-resistant 7 bite solon-resistant 7 bite solon-resistant 8 bite solon-resistant		
Lable length  2.5 Imable characteristic  Suitable characteristic  Suitable characteristic  Suitable reresistant low adhesion I almeretardant and self-extinguishing I lest conditions on request Torsional resistance: 3900 000 cycles, ±270°/0.1 Im Bending fatigue strength: 50000 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 7 mm Bending fatigue strength: 5 million cycles, bending radius 7 mm Bending radius, fixed cable installation  46 mm  Cable diameter  4.5 mm  Cable diameter  4.5 mm  Cable diameter  4.5 mm  Cable design  4.2.25 mm²  Vorminal conductor cross section  0.25 mm²  Wire ends  Stripped Cut off bluntly  Uresistant Pipos  Vote on degree of protection  In mounted state  Uv-resistant Pydrolysis resistant Resistant to cooling lubricants Resistant to incribes Oil resistant Resistant to incribes Oil resistant Ambient temperature  4.0 °C98.5 °C  Vote on ambient temperature  4.0 °C98.5 °C  Note on ambient temperature  4.0 °C85 °C  Note on ambient temperature with flexible cable installation  2.0 °C85 °C  Note on ambient temperature  4.0 °C85 °C  Relative air humidity  Max. 93% at 40 °C  Resilve air humidity  Max. 93% at 40 °C  Resilve air humidity  Max. 93% at 40 °C  Max.		
Suitable for energy chains/robot applications abrasion-resistant tow achesion Connector cable test conditions Connector cable test conditions Test conditions on request Torsional resistance: 3 200 000 cycles, ±270°/0.1 m Bending fatigue strength: 5 2000 000 cycles, bending radius 5 mm Energy chain 5 million cycles, bending radius 28 mm Sending radius fixed cable installation 14 mm Sending radius, fixed cable installation 44 mm Cable dameter 4.5 mm Cable dasign 4 x 0.25 mm² Vorteends Cut off bluntly Services Vorteends Vor		
abrasion-resistant tow adhesion Flame-retardant and self-extinguishing Fest conditions on request Torsional resistance: 300 000 cycles, ±270°/0.1 m Bending fatigue strength: 50000 cycles, bending radius 5 mm Bending fatigue strength: 50000 cycles, bending radius 28 mm tested at 23 °C Bending radius, fixed cable installation 14 mm  Sending radius, fixed cable installation 46 mm  Sanding radius, fixed be able installation 46 mm  Cable diameter 4.5 mm Cable diameter 4.5 mm Cable design 4 x 0.25 mm²  Vorninal conductor cross section 0.25 mm²  Vore ends 0.5tripped 0.5trippe		
Torsional resistance: > 300 000 cycles, x270°/0.1 m Bending fatigue strengths > 50000 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 28 mm  Sending radius, fixed cable installation 46 mm  Sending radius, fixed bending installation 46 mm  Sending radius, fixed cable installation 46 mm  Sending radius, fixed cable installation 48 mm  Sending radius, fixed cable installation 48 mm  South of blumby  Stripped Cut off blumby  Degree of protection 1965  Piego Pieg	Cable characteristic	abrasion-resistant low adhesion
Sending radius, fixed cable installation 46 mm  Cable diameter 4.5 mm  Cable diameter 4.5 mm  Cable diameter 4.5 mm  Vominal conductor cross section 0.25 mm²  Virie ends 5.7 m²  Cityloped Cut off bluntly  Degree of protection IP65 IP68 IP69K  Note on degree of protection In mounted state  UV-resistant hydrolysis resistant Resistant to cooling lubricants Resistant to cooling lubricants Resistant to microbes  Oil-resistant Vozone-resistant Vozone	Connector cable test conditions	Torsional resistance: > 300 000 cycles, ±270°/0.1 m Bending fatigue strength: > 50000 cycles, bending radius 5 mm
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
Cable design 4 x 0.25 mm²  Nominal conductor cross section 0.25 mm²  Wire ends Stripped Cut off bluntly  Degree of protection PR6	Bending radius, fixed cable installation	14 mm
A x 0.25 mm²  Nominal conductor cross section  O.25 mm²  Stripped Cut off bluntly  Degree of protection  IP65 IP68 IP69K  Note on degree of protection  In mounted state  UV-resistant hydrolysis resistant Resistant to microbes oil-resistant Ozone-resistant  Ozone-resistant  Ambient temperature  Au 0 C85 °C  Note on ambient temperature  Ambient temperature with flexible cable installation Note on ambient temperature with flexible cable installation  Note on ambient temperature  Au 50 °C for UL applications Note derating  Ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C85 °C  Note on storage temperature  -25 °C55 °C  Note on storage temperature  -25 °C55 °C  Note on storage temperature  -20 °C85 °C  -20 °C for UL applications  -20 °C8	Bending radius, flexible cable installation	46 mm
Nominal conductor cross section  Nire ends  Stripped Cut off bluntly  Degree of protection  IP65 IP68 IP69K  Note on degree of protection  In mounted state  UV-resistant hydrolysis resistant Resistant to cooling lubricants Resistant to cooling lubricants Resistant to cooling lubricants Resistant to microbes Oil-resistant Ozone-resistant Ozone-resistant  Ambient temperature  -40 °C85 °C  Note on ambient temperature  -40 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C85 °C  Note on arbient temperature with flexible cable installation  -20 °C85 °C  Note on arbient temperature with flexible cable installation  -20 °C85 °C  Note on arbient temperature  -25 °C55 °C  Short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  Relative air humidity  Nominal altitude of use above sea level  C= 2000 m NHN  Divervoltage category  II  Et marking (see declaration of conformity)  As per EU ROHS directive  JUKCA marking (see declaration of conformity)  As per EU ROHS directive  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	Cable diameter	4.5 mm
Ambient temperature  Ambient temperature  Note on ambient temperature with flexible cable installation  Solorage temperature with flexible cable installation  Note on ambient temperature  Note on ambient temperature  Note on ambient temperature  Note on ambient temperature with flexible cable installation  2.0° C85° C  Note on ambient temperature  Note on ambient temperature with flexible cable installation  2.0° C85° C  Note on ambient temperature with flexible cable installation  2.0° C85° C  Note on ambient temperature with flexible cable installation  2.0° C85° C  Note on ambient temperature with flexible cable installation  2.0° C85° C  Note on shorage temperature  Note on shorage temperature  Note on shorage temperature  Short-term for transport in packaging -40 85° C  Nominal altitude of use above sea level  C= 2000 m NHN  Devervoltage category  II  Et marking (see declaration of conformity)  As per EU ROHS directive  JEC Amarking (see declaration of conformity)  As per EU ROHS directive  JEC Amarking (see declaration of conformity)  As per EU ROHS directive  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	Cable design	4 x 0.25 mm <sup>2</sup>
Cut off bluntly  Degree of protection  IP65 IP68 IP69K  Note on degree of protection  In mounted state  UV-resistant hydrolysis resistant Resistant to cooling lubricants Resistant to microbes Oil-resistant Ozone-resistant Ozone-resistant Ozone-resistant  Ambient temperature  -40 °C85 °C  Note on ambient temperature with flexible cable installation -20 °C85 °C  Note on ambient temperature with flexible cable installation -20 °C85 °C  Note on ambient temperature with flexible cable installation -20 °C85 °C  Note on storage temperature -25 °C55 °C  Note on storage temperature Short-term for transport in packaging -40 85 °C  Relative air humidity	Nominal conductor cross section	0.25 mm <sup>2</sup>
IP68   IP69K	Wire ends	
UV-resistant hydrolysis resistant Resistant to cooling lubricants Resistant to microbes Oil-resistant Ozone-resistant USe in exterior area  Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Ambient temperature  -40 °C85 °C Note on ambient temperature  -40 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on storage temperature -25 °C55 °C Note on storage temperature -25 °C55 °C Note on storage temperature -25 °C55 °C Note on MIN Storage temperature -25 °C55 °C Relative air humidity -20 °C85 °C Note on MIN Divervoltage category -20 °C85 °C Note on MIN Divervoltage category -20 °C85 °C -20 °C85 °C Note on MIN Divervoltage category -25 °C55 °C Relative air humidity -26 °C55 °C Relative air humidity -27 °C55 °C Relative air humidity -28 °C -2900 m NHN -29	Degree of protection	IP68
hydrolysis resistant Resistant to cooling lubricants Resistant to cooling lubricants Resistant to cooling lubricants Resistant to cooling lubricants Resistant to microbes Oil-resistant Ozone-resistant Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Locations of Cooling Uses Coo	Note on degree of protection	In mounted state
Resistant to cooling lubricants Resistant to microbes Oil-resistant Ozone-resistant Use in exterior area Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1 Ambient temperature -40 °C85 °C Note on ambient temperature Note on ambient temperature with flexible cable installation -20 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on ambient temperature with flexible cable installation -20 °C85 °C Note on storage temperature Note on storage temperature Short-term for transport in packaging -40 85 °C Relative air humidity Max. 93% at 40 °C Relative air humidity Max. 93% at 40 °C Relative action of use above sea level Overvoltage category II CE marking (see declaration of conformity) As per EU ROHS directive UKCA 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	Special features	
Locations of use with direct outdoor climatic exposure Class D1 based on IEC 60654-1  Ambient temperature  -40 °C85 °C  -40 - 50 °C for UL applications Note derating  Ambient temperature with flexible cable installation -20 °C85 °C  Note on ambient temperature with flexible cable installation -20 °C85 °C  Note on ambient temperature with flexible cable installation -20 °C85 °C  Note on storage temperature -25 °C55 °C  Note on storage temperature  short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  (= 2000 m NHN  Devervoltage category  II  CE marking (see declaration of conformity)  As per EU RoHS directive  JKCA marking (see declaration of conformity)  To UK RoHS instructions  VDMA24364-B2-L  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		Resistant to cooling lubricants Resistant to microbes Oil-resistant
on IEC 60654-1  Ambient temperature  -40 °C85 °C  Vote on ambient temperature  -40 · 50 °C for UL applications Note derating  Ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 · 50 °C for UL applications  Storage temperature  -25 °C55 °C  Note on storage temperature  short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  Relative air humidity  Max. 93% at 40 °C  Relative actegory  II  CE 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	Use in exterior area	
Note on ambient temperature  -40 - 50 °C for UL applications Note derating  Ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C for UL applications  Storage temperature  -25 °C55 °C  Note on storage temperature  short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  Nominal altitude of use above sea level  -2000 m NHN  Divervoltage category  II  CE marking (see declaration of conformity)  As per EU ROHS directive  JKCA marking (see declaration of conformity)  To UK ROHS instructions  ABS (PWIS) conformity  WDMA24364-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	ose in exterior area	on IEC 60654-1
Ambient temperature with flexible cable installation  -20 °C85 °C  Note on ambient temperature with flexible cable installation  -20 °C for UL applications  Storage temperature  -25 °C55 °C  Note on storage temperature  short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  Nominal altitude of use above sea level  Cervoltage category  II  CE 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	Ambient temperature	-40 °C85 °C
Note on ambient temperature with flexible cable installation  -20 - 50 °C for UL applications  -25 °C55 °C  Note on storage temperature  Short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  (= 2000 m NHN  Divervoltage category  II  CE 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	Note on ambient temperature	· ·
Storage temperature  -25 °C55 °C  Note on storage temperature  short-term for transport in packaging -40 85 °C  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)  To UK RoHS instructions  ABS (PWIS) conformity  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	Ambient temperature with flexible cable installation	-20 °C85 °C
Note on storage temperature  Short-term for transport in packaging -40 85 °C  Relative air humidity  Max. 93% at 40 °C  Centrollage category  II  CE marking (see declaration of conformity)  As per EU RoHS directive  UKCA 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	Note on ambient temperature with flexible cable installation	-20 - 50 °C for UL applications
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
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	Note on storage temperature	
Divervoltage category  II  CE marking (see declaration of conformity)  As per EU RoHS directive  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	Relative air humidity	Max. 93% at 40 °C
As per EU RoHS directive  UKCA 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	Nominal altitude of use above sea level	<= 2000 m NHN
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	Overvoltage category	
ABS (PWIS) conformity  VDMA24364-B2-L  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	CE marking (see declaration of conformity)	<u>'</u>
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	UKCA marking (see declaration of conformity)	To UK RoHS instructions
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