



Signal cable

for esiMot M / XL / SL

PUR cable suitable for drag chains

only 24 V: 2 x 0,25 mm², Ø ca. 3,9 mm, ca. 27 kg/km
 without STO: 16 x 0,14 mm², Ø ca. 7,3 mm, ca. 86 kg/km
 with STO: 18 x 0,14 mm², Ø ca. 7,3 mm, ca. 87 kg/km



Application:

For installation in dry, damp and wet rooms, as well as outdoors with free movement without tensile stress and without forced movement; Convincing and proven in drag chain use, suitable for frequent and fast lifting and bending loads in machine and tool construction, in robot technology and on permanently moving machine parts.

Long service life ensures safe operation and high cost-effectiveness.

For use in cable carrier chains, please follow the installation instructions.

Technical data

- Special polyurethane hose assembly based on DIN VDE 0285-525-2-51/ DIN EN 50525-2-51
- Temperature range flexible -5°C to +70°C fixed -40°C to +70°C
- Nominal voltage 350 V
- Test voltage 1500 V
- Breakdown voltage 3000 V
- Insulation resistance min. 20 MOhm x km
- Minimum bending radius flexible 5 x cable-Ø fixed 3 x cable-Ø

Structure

- Bare copper strand, fine-stranded acc. to DIN VDE 0295 cl. 6, Sp. 4 and 5 resp. IEC 60228 cl. 6
- Oil-resistant PVC core mix, Ti2 according to DIN VDE 0207-363-3 / DIN EN 50363-3, with improved gliding properties
- Coloured wires according to DIN 47100, please see technical data
- Cores with optimally matched stroke lengths
- Fleece winding
- Outer sheath made of special all-polyurethane TPU acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2
- Coat colour: grey (RAL7001), dull with meter marking

Properties

- Particularities: high flexibility in cold weather, high abrasion resistance, tear and cut resistant, notch-tough, low-adhesion
- Resistant to atmospheric agents, UV rays, oxygen, ozone, hydrolysis oil, microbes, hydraulic fluid, coolants, acids, alkalis, greases, sea and used water.
- The materials used in the Manufacturing are silicone- and cadmium-free and free of paint wetting interference substances.



The product conforms to the EC Low Voltage Directive 2006/95/EC.



The product is compliant with the EU RoHS Directive 2011/65/EU.

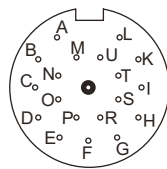
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Connector:



Contact arrangement with a view to Solder terminals of the connector

19pin cable connector
 cable-Ø 6-8 mm
 max. 0,25 mm² (AWG24)
 Art.-No.: 630.01409-1

Signal cable, only 24 V supply 2 x 0.25 mm², Ø approx. 3.9 mm

Core colour	Contact	Assignment
BN	L	Vcc +24 V
WH	M	GND

Length	Art.-No.	Weight
2 m	630.01435-0	0,10 kg
3 m	630.01435-1	0,13 kg
5 m	630.01435-2	0,19 kg
10 m	630.01435-3	0,32 kg
15 m	630.01435-4	0,46 kg
20 m	630.01435-5	0,59 kg
25 m	630.01435-6	0,73 kg
30 m	630.01435-7	0,86 kg
35 m	630.01435-8	1,00 kg

Signal cable without STO: 16 x 0.14 mm², Ø approx. 6.9 mm

Core colour	Contact	Assignment
VT	A	Output 1
BU	B	Output 2
RD	C	Output 3 / Input 7
GN	D	Output 4 / Input 8
YE	E	Input 1
WH/GN	F	Input 2
BN/GN	G	Input 3
WH	H	Input 4
RD/BU	I	Input 5 / Analog +
GY/PK	K	Input 6 / Analog -
YE/BN	L	Vcc +24 V
WH/YE	M	GND
GY	S	TxD (RS232)
PK	T	RxD (RS232)
BK	U	RS232-GND
BN	-	not in use

Length	Art.-No.	Weight
2 m	630.01400-8	0,22 kg
5 m	630.01401-8	0,48 kg
10 m	630.01402-8	0,91 kg
15 m	630.01403-8	1,34 kg
20 m	630.01404-8	1,77 kg
25 m	630.0<tbd>	2,20 kg
30 m	630.01517-8	2,63 kg
35 m	630.0<tbd>	3,06 kg

In the case of double occupancy, this depends on the hardware configuration of the esiMot.

The functions of the inputs and outputs will be by configuring the software via the PC software ServoLink or by fieldbus.

Signal cable with STO: 18 x 0.14 mm², Ø approx. 7.2 mm

Core colour	Contact	Assignment
VT	A	Output 1
BU	B	Output 2
RD	C	Output 3 / Input 7
GN	D	Output 4 / Input 8
YE	E	Input 1
WH/GN	F	Input 2
BN/GN	G	Input 3
WH	H	Input 4
RD/BU	I	Input 5 / Analog +
GY/PK	K	Input 6 / Analog -
YE/BN	L	Vcc +24 V
WH/YE	M	GND
WH/GY	N	STO 1
GY/BN	O	STO 2
GY	S	TxD (RS232)
PK	T	RxD (RS232)
BK	U	RS232-GND
BN	-	not in use

Length	Art.-No.	Weight
2 m	630.01430-1	0,22 kg
5 m	630.01431-1	0,48 kg
10 m	630.01423-1	0,91 kg
15 m	630.01432-1	1,34 kg
20 m	630.01434-1	1,77 kg
25 m	630.01437-3	2,20 kg
30 m	630.01436-3	2,63 kg
35 m	630.0<tbd>	3,06 kg

In the case of double occupancy, this depends on the hardware configuration of the esiMot.

The functions of the inputs and outputs will be by configuring the software via the PC software ServoLink or by fieldbus.