



Signal cable

Standard cable for fixed installation

without STO: 16 x 0,14 mm², Ø ca. 6,9mm, ca. 76 kg/km

with STO: 18 x 0,14 mm², Ø ca. 7,2mm, ca. 86 kg/km



Usage:

For flexible use in free movement without tensile stress and without forced movement guidance in dry, damp and wet rooms, but not outdoors, wherever the smallest possible signal cables are required in the outer diameter due to design or construction measures. In machine, tool and plant construction, as well as in measurement and control technology.

Technical data

- Special PVC data cable based on DIN VDE 812
- Temperature range
flexible +5°C ... +80°C
fixed -40°C ... +80°C
- Operating peak voltage 350 V
- Test voltage 1200 V
- Breakdown voltage >2400 V
- Insulation resistance
>20MΩ x km
- Minimum bending radius
flexible 7,5 x cable diameter
fixed 4 x cable diameter
- Radiation resistance
up to 80 x 106 cJ/kg
(up to 80 Mrad)

Structure

- Stranded copper wire, bare, finely stranded
0,14mm² = 18x0,1mm
- Core insulation made of special PVC compound T12 according to DIN VDE 0207-363-3 / DIN EN 50363-3
- Cores coloured according to DIN 47100, without colour repetition
- Cores stranded with optimally matched lay lengths
- Outer sheath made of special PVC compound type TM2 according to
DIN VDE 0207-363-4-1 /
DIN EN 50363-4-1
- Sheath colour grey (RAL7001) with metre marking

Properties

- Largely oil-resistant, chemical resistance - see table „Technical information“
- The materials used in production are silicone- and cadmium-free and free of paint-wetting impairment substances.

Tests

- PVC self-extinguishing and flame-retardant according to
DIN VDE 0482-332-1-2,
DIN EN 60332-1-2,
IEC 60331-1 (corresponds to
DIN VDE 0472 part 804 test
type B)



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



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

All information in this brochure is of an informative nature and does not guarantee any properties. Subject to change without notice.

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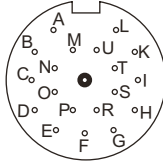
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Connector:



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

Contact arrangement with view of solder terminals of the connector



Signal cable without STO-wires: 16 x 0,14 mm², Ø approx. 6,9 mm

Wire 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 / Analogue +
GY/PK	K	Input 6 / Analogue -
YE/BN	L	Vcc +24 V
WH/YE	M	GND
GY	S	TxD (RS232)
PK	T	RxD (RS232)
BK	U	RS232-GND
BN	-	unused

Length	Art.-No.	Weight
2 m	630.01400-1	0,22 kg
5 m	630.01401-1	0,40 kg
10 m	630.01402-1	0,70 kg
15 m	630.01403-1	1,0 kg
20 m	630.01422-1	1,3 kg
25 m	630.01415-1	1,6 kg
30 m	630.01517-1	1,9 kg
35 m	630.01416-1	2,2 kg

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

The functions of the inputs and outputs are determined by software configuration via the PC software ServoLink or via field bus.

Signal cable with STO-wires: 18 x 0,14mm², Ø approx. 7,2mm

Wire 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 / Analogue +
GY/PK	K	Input 6 / Analogue -
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	-	unused

Length	Art.-No.	Weight
2 m	630.01424-1	0,23 kg
5 m	630.01425-1	0,43 kg
10 m	630.01423-2	0,75 kg
15 m	630.01432-2	1,08 kg
20 m	630.01434-2	1,4 kg
25 m	630.01437-2	1,73 kg
30 m	630.01436-2	2,05 kg
35 m	630.01416-2	2,38 kg

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