

PUR actor-sensor cables

LÜTZE ELECTRONIC PUR AS



Application

- Machine and device construction, transport and conveyor technology
- Actor, sensor technology

Properties

- Flame-retardant, self-extinguishing
- Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from silicone paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

Rated voltage	300 V
Test voltage	
up to 0.34 mm ²	1200 V
after 0.5 mm ²	2000 V
Insulation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 7.5
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1; UL 1581 section VW-1 Flame-Test; CSA FT 1

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special thermoplastic conductor insulation
- Conductors colour-coded
- Full polyurethane jacket, matt, adhesion-free surface

Part-No.	Number of strands/cross-section/ strand colours	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
Lütze Electronic PUR AS grey jacket				
111053	3×0.34 brown, blue, black	5.0	3.6	1.0
110190	4×0.34 white, brown, blue, black	5.0	4.4	1.3
110617	3×0.5 brown, blue, black	5.4	4.2	1.5
101278	3×0.75 brown, blue, black	5.9	5.2	2.2
Lütze Electronic PUR AS, black jacket				
118442	2×0.25 brown, blue	3.9	1.7	0.5
118004	3×0.25 brown, blue, black	4.0	2.0	0.8
118636	4×0.25 white, brown, blue, black	4.3	2.8	1.0
118005	5×0.25 white, brown, black, white, grey	4.5	2.8	1.3
110624	2×0.34 brown, blue	4.9	3.4	0.7
118049	3×0.34 brown, blue, black	4.9	3.6	1.0
118006	4×0.34 white, brown, blue, black	4.5	2.8	1.4
118007	5×0.34 white, brown, blue, black, greenyellow	4.9	3.3	1.7
118070	2×0.5 brown, blue	4.3	2.6	1.0
110621	3×0.5 brown, blue, black	4.5	3.1	1.5
118008	4×0.5 white, brown, blue, black	5.0	3.8	2.0
118014	5×0.5 white, brown, blue, black, greenyellow	5.4	4.4	2.5
Lütze Electronic PUR AS shielded, black jacket				
118009	(2×0.34) brown, blue	4.5	2.7	1.5
118160	(3×0.34) brown, blue, black	4.7	3.2	2.0
118010	(4×0.34) white, brown, blue, black	5.0	3.8	2.4
118011	(5×0.34) white, brown, black, white, grey	5.4	4.4	2.8
118012	(5×0.34) white, brown, blue, black, greenyellow	5.4	4.4	2.8

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC