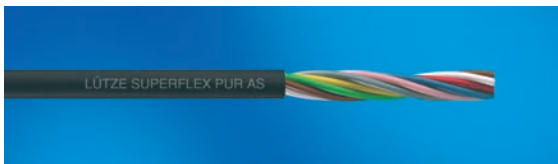


6. Actuator sensor cables



PUR actor-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR LÜTZE SUPERFLEX® ASB PUR KOMBI



Application

- Machine and device construction, transport and conveyor technology
- Actor, sensor technology
- Combination cable SUPERFLEX® ASB for actuator box, schleppfähig
- Through full PUR jacket, optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants

Properties

- Flame-retardant, self-extinguishing
- Very good alternating bending strength
- Good pressure and roll-over resistance
- 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

| | |
|-----------------------|------------------|
| UL approval | 300 V 80 °C |
| Rated voltage | 300 V |
| Test voltage | 3000 V |
| Insulation resistance | min. 20 MΩ × km |
| Temperature range | |
| moving | -25 °C to +80 °C |
| fixed | -40 °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

Halogen-free

according to DIN EN 50264-1; EN 50267-2-1 and EN 60684-2

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special-TPE conductor insulation
- Conductors colour-coded
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001 and black RAL 9005

| Part-No. | Number of strands/cross-section/ strand colours | Outer-∅ approx. mm | Weight kg/100 m | Cu-Index kg/100 m |
|--|--|-----------------------|--------------------|----------------------|
| LÜTZE-SUPERFLEX-TRONIC PUR AS jacket grey | | | | |
| 117304 | 3×0.34 brown, blue, black | 4.3 | 4.0 | 1.0 |
| 117305 | 4×0.34 brown, blue, black, white | 4.5 | 4.8 | 1.3 |
| 117306 | 5×0.34 brown, blue, black, white, greenyellow | 4.9 | 6.2 | 1.6 |
| 117307 | 3×0.5 brown, blue, greenyellow | 4.7 | 5.5 | 1.5 |
| LÜTZE-SUPERFLEX® ASB PUR black jacket | | | | |
| 110870 | 3G1.0+4×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey | 7.5 | 8.5 | 4.2 |
| 110871 | 3G1.0+6×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, red | 7.8 | 9.1 | 4.9 |
| 110872 | 3G1.0+8×0.34 1.0: brown, blue, greenyellow 0.34: white, black, green, yellow, grey, pink, violet, red | 8.2 | 9.9 | 5.5 |
| 110873 | 3G1.0+12×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, violet, red, greypink, redblue, white-green, browngreen, white yellow, yellowbrown | 8.8 | 11.3 | 6.8 |
| 110874 | 3G1.0+16×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, red, black, violet, greypink, redblue, whitegreen, browngreen, whiteyellow, yellowbrown, whitegrey, greybrown | 9.7 | 13.5 | 8.1 |
| 110875 | 5G1.0 + 4×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey | 9.1 | 10.8 | 4.9 |
| 110876 | 5G1.0 + 6×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, red | 9.4 | 15.5 | 5.6 |
| 110877 | 5G1.0 + 8×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, red, black, violet | 9.8 | 18.2 | 6.2 |
| 110878 | 5G1.0 + 12×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, violet, red, greypink, redblue, white-green, browngreen, white yellow, yellowbrown | 10.5 | 25.5 | 7.5 |
| 110879 | 5G1.0 + 16×0.34 1.0: brown, blue, greenyellow 0.34: white, green, yellow, grey, pink, red, black, violet, greypink, redblue, whitegreen, browngreen, whiteyellow, yellowbrown, whitegreen, greybrown | 12.4 | 31.8 | 8.8 |

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

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 |

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