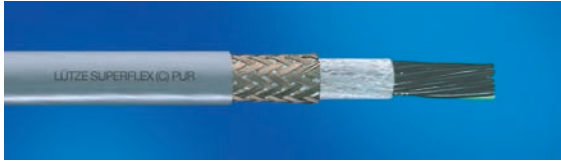


PUR c-track cables · For highest requirements

LÜTZE SUPERFLEX® N (C) PUR



Application

- Machine and device construction, transport and conveyor technology
- Through full PUR jacket suited for c-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Special for industrial environments with interference potential, in machines, plant and device construction

Properties

- Extreme space-saving design
- Low capacitance, very good electrical properties
- High active and passive interference resistance
- Braided shield optimised for continuous flexible use
- Halogen-free, no corrosive gases
- Very good alternating bending strength
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good industrial- and salt water resistance
- Excellent coolant and lubricant resistance
- Widely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

| | |
|------------------------|--|
| Voltage | |
| U ₀ /U | 300/500 V |
| Test voltage | 3000 V |
| Insulation resistance | min. 100 MΩ × km |
| Temperature range | |
| moving | -25 °C to +80 °C |
| fixed | -40 °C to +80 °C |
| Minimum bending radius | |
| moving | Cable diameter × 12 |
| fixed | Cable diameter × 6 |
| Halogen-free | according to DIN EN 20264 / EN 50267 / 60684 |

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special-TPE/HGI conductor insulation
- Conductors black with white number print according to DIN EN 50334
- Ground conductor
G = with greenyellow ground conductor; × = without ground conductor
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Meshwork shielding from galvanised Cu wire, optical covering ≥ 85 %
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001

| Part-No. | Number of strands/cross-section | Outer-Ø approx. mm | Weight kg/100 m | Cu-Index kg/100 m |
|----------------------------|---------------------------------|--------------------|-----------------|-------------------|
| 0.5 mm² | | | | |
| 118800 | (2×0.5) | 5.0 | 3.4 | 2.4 |
| 118801 | (3G0.5) | 5.2 | 4.0 | 3.0 |
| 118802 | (4G0.5) | 5.5 | 4.7 | 3.6 |
| 118803 | (4×0.5) | 5.5 | 4.7 | 3.6 |
| 118804 | (5G0.5) | 5.9 | 5.4 | 4.3 |
| 118805 | (7G0.5) | 6.8 | 7.0 | 5.6 |
| 118806 | (12G0.5) | 7.9 | 10.3 | 8.5 |
| 118807 | (18G0.5) | 9.1 | 14.2 | 11.9 |
| 118808 | (25G0.5) | 11.2 | 21.6 | 17.3 |
| 0.75 mm² | | | | |
| 118810 | (2×0.75) | 5.6 | 4.7 | 3.3 |
| 118811 | (3G0.75) | 5.9 | 5.5 | 4.1 |
| 118812 | (4G0.75) | 6.2 | 6.6 | 5.0 |
| 118813 | (5G0.75) | 6.7 | 7.7 | 6.0 |
| 118814 | (7G0.75) | 7.8 | 10.0 | 7.9 |
| 118815 | (12G0.75) | 9.5 | 14.9 | 12.2 |
| 118816 | (18G0.75) | 11.5 | 23.6 | 18.6 |
| 118817 | (25G0.75) | 13.5 | 31.2 | 24.8 |
| 1.0 mm² | | | | |
| 118820 | (2×1.0) | 6.0 | 5.3 | 3.9 |
| 118821 | (3G1.0) | 6.3 | 6.4 | 5.0 |
| 118822 | (4G1.0) | 6.8 | 7.7 | 6.2 |
| 118823 | (5G1.0) | 7.3 | 9.1 | 7.4 |
| 118824 | (7G1.0) | 8.3 | 11.9 | 9.8 |
| 118825 | (12G1.0) | 10.2 | 19.3 | 16.7 |
| 118826 | (18G1.0) | 12.2 | 28.5 | 23.5 |
| 118827 | (25G1.0) | 14.4 | 37.9 | 31.6 |
| 1.5 mm² | | | | |
| 118830 | (2×1.5) | 6.8 | 7.0 | 5.2 |
| 118831 | (3G1.5) | 7.1 | 8.6 | 6.8 |
| 118832 | (4G1.5) | 7.7 | 10.4 | 7.6 |
| 118833 | (5G1.5) | 8.4 | 12.4 | 10.2 |
| 118834 | (7G1.5) | 10.2 | 16.8 | 13.4 |
| 118835 | (12G1.5) | 12.3 | 28.8 | 23.4 |
| 118836 | (18G1.5) | 14.2 | 39.6 | 33.3 |
| 118837 | (25G1.5) | 16.9 | 57.5 | 48.7 |
| 2.5 mm² | | | | |
| 118840 | (2×2.5) | 7.8 | 10.1 | 7.6 |
| 118841 | (3G2.5) | 8.2 | 12.6 | 10.3 |
| 118842 | (4G2.5) | 9.3 | 15.5 | 11.8 |
| 118843 | (5G2.5) | 9.8 | 19.8 | 17.1 |
| 118844 | (7G2.5) | 12.3 | 28.0 | 22.9 |
| 118845 | (12G2.5) | 14.5 | 44.1 | 37.6 |
| 118846 | (18G2.5) | 17.5 | 65.1 | 57.3 |
| 118847 | (25G2.5) | 21.6 | 90.1 | 77.2 |

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