

Technical data sheet · LÜTZE SUPERFLEX[®] TRONIC (C) PUR TP

Shielded electronic cable UL recognized, paired

For highest requirements



PUR electronic cables · C-track compatible · Shielded

| | | |
|-----------------------|----------|------------------------|
| Identification | Type | SU TR(C)P TP(8×2×0,25) |
| | Part-No. | 117174 |

Use/Application/Characteristics

Application

- Robots, drag chains as well as everywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and damp rooms
- As monitoring, measurement and control cable for continuous flexing applications
- Especially for industrial environments with high EMI potential in machine, plant and device construction

28.04.2017 – Subject to technical modification

Part-No. 117174

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SYSTEMATIC TECHNOLOGY

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| | |
|-----------------|---|
| Characteristics | <ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • High crosstalk attenuation through twisted pairs • Braided shield optimized for continuous flexing applications • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good flexing strength • Low adhesion, Abrasion-resistant, Tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Good resistance to wear and salt water • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant |
|-----------------|---|

Construction

| | |
|------------------------------------|-----------------------------|
| Description | SUPERFLEX TRONIC (C) PUR TP |
| Number of conductors/cross-section | (8×2×0.25) |
| Jacket material | PUR |
| Jacket color | grey RAL 7001 |
| Outer Ø | 9.4 mm |
| Outer Ø | 0.37 inches |
| Surface | adhesion-free matt |
| Weight | 11.3 kg/100 m |
| Weight | 101.2 Lbs/Mft |
| Cu-Index | 6 kg/100 m |
| Cu-Index | 40 Lbs/Mft |

Element 1

| | |
|----------------------------|--|
| Element construction | (8×2×0.25) |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6 |
| Conductor marking | Colour coded |
| Conductor marking standard | DIN 47100 |
| Conductor insulation | Special TPE |

overall construction

| | |
|-------------------|---|
| Overall stranding | stranded pairs layer pitch optimised |
|-------------------|---|

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| Overall wrapping | Non-woven material |
| Overall shield | Braid shield Tinned copper wires optical cover approx. 85% |
| Jacket characteristics | Flame-retardant self-extinguishing Halogen free Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free |

Technical data

| | |
|-------------------------------|-------------------|
| Rated voltage | 300 V |
| Test voltage type | AC 3000 V |
| Temperature according to UL | 80 °C |
| Temperature range moving | -25 °C ... +80 °C |
| Temperature range fixed | -40 °C ... +80 °C |
| Minimum bending radius moving | 12×D |
| Minimum bending radius fixed | 6×D |

Element 1

| | |
|-------------------------------|------------|
| Element construction | (8×2×0.25) |
| Insulation resistance at 20°C | 1000 MΩ×km |

Approvals/Standards

| | |
|-------------------------------|---|
| Approvals | cURus |
| UL style | AWM 20233 |
| Conformity | CE RoHS |
| Burning behavior according to | IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 cable flame UL VW-1 UL FT1 |
| Oil resistant according to | DIN EN 60811-404 C22.2 Nr. 210 AWM II |
| Halogen free according to | IEC 60754-1 DIN EN 60754-1 |

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General

Note

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



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