

Technical data sheet · LÜTZE SUPERFLEX[®] TRONIC PUR
Unshielded electronic cable UL recognized
For highest requirements



PUR electronic cables · C-track compatible · Unshielded

| | | |
|-----------------------|----------|-------------------|
| Identification | Type | SU TR PUR 10×0,25 |
| | Part-No. | 117044 |

Use/Application/Characteristics

| | |
|-----------------|--|
| Application | <ul style="list-style-type: none"> • 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 |
| Characteristics | <ul style="list-style-type: none"> • Low capacitance, very good electrical properties • Flame-retardant, self-extinguishing • Halogen-free, no corrosive gases • Very good flexing strength • Low adhesion, abrasion-resistant, nick-resistant, tear resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS-compliant |

Construction

28.04.2017 – Subject to technical modification

Part-No. 117044

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SYSTEMATIC TECHNOLOGY

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| Description | SUPERFLEX TRONIC PUR |
| Number of conductors/cross-section | 10×0.25 |
| Jacket material | PUR |
| Jacket color | grey RAL 7001 |
| Outer Ø | 6.3 mm |
| Outer Ø | 0.248 inches |
| Surface | adhesion-free matt |
| Weight | 5 kg/100 m |
| Weight | 33 Lbs/Mft |
| Cu-Index | 2.5 kg/100 m |
| Cu-Index | 16 Lbs/Mft |

Element 1

| | |
|----------------------------|--|
| Element construction | 10×0.25 |
| 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 | Conductors stranded layers layer pitch optimised Conductors twisted without mechanical stress |
| Overall wrapping | Non-woven material |
| 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 |

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| Temperature range moving | -25 °C ... +80 °C |
| Temperature range fixed | -40 °C ... +80 °C |
| Minimum bending radius moving | 10×D |
| Minimum bending radius fixed | 4×D |

Element 1

| | |
|-------------------------------|------------|
| Element construction | 10×0.25 |
| Insulation resistance at 20°C | 1000 MΩ×km |

Approvals/Standards

| | |
|-------------------------------|--|
| Approvals | UR |
| UL style | AWM 20549 |
| Conformity | CE RoHS |
| Burning behavior according to | DIN EN 60332-2-2 UL 1581 Horizontal Flame Test |
| Oil resistant according to | DIN EN 60811-404 |
| Halogen free according to | IEC 60754-1 DIN EN 60754-1 |

General

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

Symbols



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