

PVC C-track cable

LÜTZE-SUPERFLEX[®] TRONIC (C)Y



Application

- Energy carrying systems as well as anywhere where signals are transmitted to continuously moving system or machine parts.
- As control, measurement and regulation cable medium operating conditions without tensile loading
- Especially for industrial environment with high interference potential, in machine, plant and device construction.

Properties

- Minimal cable diameter through thin-walled PVC semi-rigid conductor insulation according to UL
- Especially suitable for cost-efficient IDC-connection (Insulation Displacement Connection)
- High active and passive interference resistance
- Braided shield optimised for continuous flexible use
- Outer jacket special PVC class 43 according to UL
- Very good oil resistance
- Widely resistant to acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

| | |
|-----------------------------------|--|
| UL approval | 300 V 80 °C |
| Nominal voltage | 300 V |
| Test voltage | 3000 V |
| Isolation resistance | min. 20 MΩ × km |
| Temperature range according to UL | |
| continuously moving | -5 °C to +80 °C |
| fixed | -25 °C to +80 °C |
| Cold flexibility | according to UL up to -25 °C |
| Minimum bending radius | |
| moving | Cable diameter × 12 |
| fixed | Cable diameter × 6 |
| Burning behaviour | Flame-retardant according to UL VW-1; VDE 0482 T265; |
| Oil resistant | according to UL 4d100C and VDE 0472 T 803 |

Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special PVC semi-rigid conductor insulation according to UL, temperature-resistant according to VDE 0207 up to 105 °C
- Conductors colour-coded according to DIN 47100
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC according to UL class 43 and VDE 0207 TM5, Temperature-resistant according to VDE 0207 up to 90 °C
- 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 |
|----------------------------|---------------------------------|--------------------|-----------------|-------------------|
| 0.14 mm² | | | | |
| 117060 | (2×0,14) | 4.3 | 3.1 | 1.1 |
| 117061 | (3×0,14) | 4.5 | 3.5 | 1.2 |
| 117062 | (4×0,14) | 4.9 | 3.9 | 1.4 |
| 117063 | (5×0,14) | 5.1 | 4.5 | 1.6 |
| 117064 | (7×0,14) | 5.4 | 6.8 | 2.0 |
| 117065 | (10×0,14) | 6.4 | 8.8 | 2.8 |
| 117066 | (12×0,14) | 6.6 | 9.8 | 3.1 |
| 117067 | (18×0,14) | 7.6 | 12.1 | 4.2 |
| 117068 | (25×0,14) | 9.2 | 16.1 | 6.1 |
| 0.25 mm² | | | | |
| 117069 | (2×0,25) | 4.6 | 3.7 | 1.3 |
| 117070 | (3×0,25) | 4.7 | 4.4 | 1.7 |
| 117072 | (5×0,25) | 5.4 | 6.9 | 2.3 |
| 117073 | (7×0,25) | 5.8 | 8.7 | 3.1 |
| 117074 | (10×0,25) | 6.9 | 11.2 | 4.1 |
| 117075 | (12×0,25) | 7.1 | 12.9 | 4.7 |
| 117076 | (18×0,25) | 8.2 | 16.5 | 7.2 |
| 117077 | (25×0,25) | 9.9 | 19.8 | 9.3 |
| 0.34 mm² | | | | |
| 117078 | (2×0,34) | 4.8 | 4.4 | 1.6 |
| 117079 | (3×0,34) | 5.0 | 6.0 | 2.0 |
| 117081 | (5×0,34) | 5.7 | 8.6 | 2.8 |
| 117082 | (7×0,34) | 6.3 | 11.4 | 4.0 |
| 117083 | (10×0,34) | 7.6 | 15.1 | 5.0 |
| 117084 | (12×0,34) | 7.9 | 17.6 | 5.7 |
| 117085 | (18×0,34) | 9.2 | 22.3 | 8.7 |
| 117086 | (25×0,34) | 11.0 | 30.4 | 12.0 |

CE These products are in conformity to the EC Low Voltage Directive 73/23/EWG or 93/68/EWG respectively