

# PVC c-track cables

## LÜTZE SUPERFLEX® TRONIC (C)Y LÜTZE SUPERFLEX® TRONIC (C)Y TP



### 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
Rated voltage	300 V
Test voltage	3000 V
Insulation 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 VDE 0482 part 265-2, DIN EN 50265-2, IEC 60332-1; UL 1581 section VW-1Flame-Test; CSA FT 1
Oil resistant	according to UL 4d100C and DIN EN 60811-2-1

### 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
<b>0.14 mm<sup>2</sup></b>				
117060	(2×0.14)	4.7	3.1	1.1
117061	(3×0.14)	4.8	3.3	1.2
117062	(4×0.14)	4.9	3.9	1.4
117063	(5×0.14)	5.4	4.2	1.7
117064	(7×0.14)	6.0	5.0	2.2
117065	(10×0.14)	6.7	6.2	2.8
117066	(12×0.14)	6.9	6.7	3.1
117067	(18×0.14)	7.8	12.8	4.2
117068	(25×0.14)	9.2	11.4	5.6
<b>0.25 mm<sup>2</sup></b>				
117069	(2×0.25)	4.9	3.4	1.3
117070	(3×0.25)	5.1	3.8	1.7
117072	(5×0.25)	5.5	4.9	2.3
117073	(7×0.25)	6.3	6.1	3.0
117074	(10×0.25)	7.1	7.6	4.7
117075	(12×0.25)	7.2	8.4	4.5
117076	(18×0.25)	8.2	11.2	6.3
117077	(25×0.25)	9.9	14.6	9.3
<b>0.34 mm<sup>2</sup></b>				
117078	(2×0.34)	5.1	3.8	1.6
117079	(3×0.34)	5.3	4.2	2.0
117081	(5×0.34)	5.8	5.6	2.8
117082	(7×0.34)	6.7	6.9	3.7
117083	(10×0.34)	7.6	8.9	5.0
117084	(12×0.34)	7.7	9.8	5.7
117085	(18×0.34)	8.9	13.2	8.0
117086	(25×0.34)	10.4	18.4	11.5
<b>0.25 mm<sup>2</sup> Design with paired stranding</b>				
117130	(2×2×0.25)	6.3	6.1	2.3
117131	(3×2×0.25)	6.5	7.2	2.8
117136	(4×2×0.25)	7.2	8.3	3.5
117133	(5×2×0.25)	7.7	10.3	4.2
117139	(6×2×0.25)	8.7	11.1	4.8
117134	(8×2×0.25)	9.6	12.4	6.2
117135	(10×2×0.25)	10.5	18.5	8.2

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