

PVC C-track cable

LÜTZE SUPERFLEX® N



Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and control cable for continuous moving and medium operating conditions
- In energy command chains and everywhere where signals are transmitted to continuously moving system or machine parts

Properties

- Through construction and material suitable for continuous movement application.
- PVC Flame-retardant, self-extinguishing
- Widely resistant to oils, greases, acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 4
Jacket material	Thermal pressure resistance according to DIN VDE 60881 up to 80 °C
Cold flexibility	-25 °C
Radiation-resistance	8×10 ⁷ cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 section 265-2-1 DIN EN 50265-2-2

Design

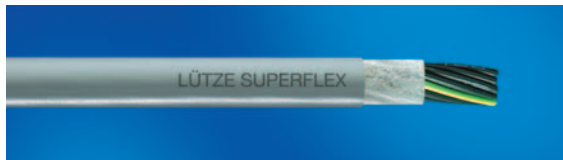
- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
- Special PVC conductor insulation TI2 according to VDE 0281 or HD 21.1
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Jacket special PVC TM3 according to VDE 0281 or HD21.1
- 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				
101049	3×0,5	5.1	4.3	1.4
111044	3×0,5 OZ	5.1	4.3	1.4
118383	4×0,5	5.5	4.8	1.9
118393	5×0,5	5.9	5.6	2.4
118384	7×0,5	6.8	7.0	3.4
101351	12×0,5	8.2	10.8	5.8
101048	18×0,5	9.5	15.0	8.6
108055	25×0,5	11.0	20.2	12.0
108204	40×0,5	14.0	30.3	19.2
0.75 mm²				
100765	2×0,75 OZ	5.5	4.4	1.4
100766	3×0,75	6.0	5.2	2.2
101001	3×0,75 OZ	6.0	5.2	2.2
111045	4×0,75	6.3	6.3	2.9
100767	5×0,75	6.6	7.4	3.6
100768	7×0,75	7.5	9.4	5.0
100998	12×0,75	9.0	14.9	8.6
100901	14×0,75	9.5	16.8	10.1
100778	18×0,75	10.5	20.8	13.0
101425	18×0,75 OZ	10.5	20.8	13.0
100856	25×0,75	12.5	28.2	18.0
1.0 mm²				
100788	2×1,0 OZ	5.7	5.2	1.9
100789	3×1,0	6.2	6.3	2.9
100761	4×1,0	6.5	7.6	3.8
100777	5×1,0	7.0	8.9	4.8
100790	7×1,0	8.5	11.5	6.7
100791	12×1,0	10.0	16.2	11.5
100782	18×1,0	11.5	25.8	17.3
100784	25×1,0	13.5	35.0	24.0
100771	34×1,0	15.0	45.9	32.6
100779	42×1,0	16.5	55.4	40.3
100786	50×1,0	18.0	65.4	48.0

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

PVC C-track cable

LÜTZE SUPERFLEX® N



Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and control cable for continuous moving and medium operating conditions
- In energy command chains and everywhere where signals are transmitted to continuously moving system or machine parts

Properties

- Through construction and material suitable for continuous movement application.
- PVC Flame-retardant, self-extinguishing
- Widely resistant to oils, greases, acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 4
Jacket material	Thermal pressure resistance according to DIN VDE 60881 up to 80 °C
Cold flexibility	-25 °C
Radiation-resistance	8×10 ⁷ cJ/kg
Burning behaviour	Flame-retardant according to VDE 0482 section 265-2-1 DIN EN 50265-2-2

Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
- Special PVC conductor insulation TI2 according to VDE 0281 or HD 21.1
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Jacket special PVC TM3 according to VDE 0281 or HD21.1
- 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
1.5 mm²				
101424	2 × 1,5 OZ	6.8	7.6	2.9
100796	3 × 1,5	6.9	11.3	4.3
100787	4 × 1,5	7.8	12.8	5.8
100808	5 × 1,5	8.0	16.0	7.2
100792	7 × 1,5	9.8	20.1	10.1
100873	10 × 1,5	11.5	26.0	14.4
100793	12 × 1,5	11.2	31.8	17.3
100794	18 × 1,5	13.0	50.9	25.9
100795	25 × 1,5	17.3	67.1	36.0
100780	50 × 1,5	24.5	130.0	72.0
2.5 mm²				
100893	3 × 2,5	8.5	17.0	7.2
100707	4 × 2,5	9.2	21.6	9.6
100769	5 × 2,5	10.1	26.6	12.0
100797	7 × 2,5	11.6	33.0	16.8
100807	12 × 2,5	14.5	55.0	28.8
100900	18 × 2,5	16.2	82.0	43.2
100781	25 × 2,5	21.0	112.4	60.0
4 mm²				
100988	2 × 4 OZ	9.6	21.0	7.7
108049	4 × 4	11.8	30.0	15.4
108045	5 × 4	13.2	38.0	19.2
100154	7 × 4	15.9	48.0	26.8

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PVC C-track cables · UL/CSA 600 V

LÜTZE SUPERFLEX® N cULus



low capacity



Application

- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As control, measurement and control cable for continuous moving and medium operating conditions
- In energy command chains and everywhere where signals are transmitted to continuously moving system or machine parts

Properties

- Minimal cable diameter through special TPE conductor insulation according to UL
- Low capacitance, very good electrical properties
- Through construction and material suitable for continuous movement application.
- Outer jacket special PVC class 43 according to UL
- Widely resistant to oils, greases, acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
UL	600 V
Test voltage	3000 V
Isolation resistance	min. 100 MΩ × km
Temperature range	
moving	-5 °C to +80 °C
fixed	-25 °C to +80 °C
Minimum bending radius	
moving	Cable diameter × 7.5
fixed	Cable diameter × 4
Jacket material	Thermal pressure resistance according to DIN VDE 60881 up to 90 °C
Cold flexibility	according to UL up to -25 °C
Radiation-resistance	1×10 ⁶ cJ/kg
Burning behaviour	Flame-retardant according to UL VW-1; DIN EN 50265-2-1
Oil resistant	according to UL 4d100C and DIN EN 60811-2-1

Design

- Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
- Special TPE conductor insulation according to UL
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- 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-∅ approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.5 mm²				
109450	3×0,5	5.7	4.4	1.5
109451	4×0,5	6.1	5.3	2.0
109452	5×0,5	6.7	6.2	2.5
109453	7×0,5	7.7	8.3	3.4
109454	12×0,5	9.3	11.6	5.9
109455	18×0,5	10.7	16.2	8.8
109456	25×0,5	12.5	21.8	12.3
1.0 mm²				
109457	3×1,0	6.6	6.6	2.9
109458	4×1,0	7.2	8.1	4.0
109459	5×1,0	7.8	9.5	5.0
109460	7×1,0	9.1	12.4	6.9
109461	12×1,0	10.8	18.9	11.9
109462	18×1,0	12.7	26.7	17.8
109463	25×1,0	15.1	36.3	24.7
109464	34×1,0	16.8	47.5	33.7
1.5 mm²				
109465	3×1,5	7.2	8.6	4.4
109466	4×1,5	7.8	10.6	5.9
109467	5×1,5	8.6	12.6	7.4
109468	7×1,5	10.1	16.6	10.3
109469	12×1,5	12.4	25.8	17.5
109470	18×1,5	14.5	36.7	26.5
109471	25×1,5	16.8	50.1	36.8
2.5 mm²				
109472	4×2,5	9.1	15.9	9.8
109473	5×2,5	10.0	18.9	12.8
109474	7×2,5	12.1	25.3	17.0
4 mm²				
109475	4×4	10.7	23.0	15.5
109476	7×4	14.0	37.7	27.3

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PVC C-track cable

LÜTZE SUPERFLEX® N ORC



CNOMO

Application

- Machine tools, transfer lines as well as additional areas in the French automobile industry
- In dry and moist rooms
- As control, measurement and regulation cable medium operating conditions
- In energy command chains and everywhere where signals are transmitted to continuously moving system or machine parts
- Approved by the French automobile industry for use in conjunction with cutting and cooling oils

Properties

- Isolation and jacket material especially oil-stabilised according to the French automobile industry norm (CNOMO)
- Through construction and material suitable for continuous movement application
- PVC flame-retardant, self-extinguishing
- Widely resistant to acids and bases
- Free from paint wetting disruptive substances (LABS-free)
- RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ/km
Temperature range	
moving	-5 °C to +70 °C
fixed	-25 °C to +70 °C
Minimum bending radius	
moving	Cable diameter × 10
fixed	Cable diameter × 4
Burning behaviour	Flame-retardant according to VDE 0482 section 265-2-1 DIN EN 50265-2-1

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 Kl. 5, IEC 60228 cl. 5
- Special PVC conductor insulation according to CNOMO
- Conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors stranded layers
- Jacket special PVC according to CNOMO, 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
1.0 mm²				
101165	3×1,0	7.6	7.9	2.8
108022	4×1,0	8.3	10.6	3.8
101164	5×1,0	9.4	13.0	4.8
101209	7×1,0	11.0	15.5	6.7
101167	12×1,0	13.0	25.6	11.5
101210	18×1,0	15.4	42.6	17.2
101211	20×1,0	16.4	45.0	19.2
101166	25×1,0	18.5	54.0	24.0
101163	40×1,0	22.9	83.0	38.4
1.5 – 2.5 mm²				
101212	3×1,5	8.1	11.3	4.3
101229	4×1,5	9.0	12.8	5.7
100933	5×1,5	10.0	16.0	7.2
101213	7×1,5	11.8	20.1	10.0
101228	12×1,5	13.6	31.8	17.3
101015	18×1,5	16.4	50.8	25.9
100936	20×1,5	17.4	58.0	28.8
108036	25×1,5	20.4	67.1	36.0
101238	3×2,5	10.0	17.0	7.2
101227	4×2,5	11.1	21.6	9.6
4 – 10 mm²				
108026	4×4	13.8	30.0	15.4
101256	4×6	17.0	42.0	23.0
108037	4×10	20.6	65.0	38.4

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