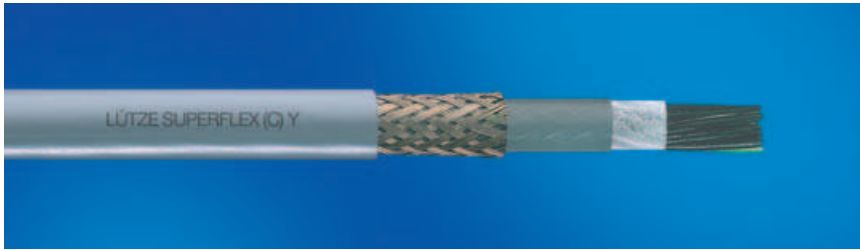


# Technical data sheet · LÜTZE SUPERFLEX® N (C)Y

PVC c-track cables



<b>Identification</b>	Type	(4×0,5)
	Part-No.	110423

## Use/Area of application

Application	<ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology, heating, climate technology</li><li>• In dry and moist rooms</li><li>• As control, measurement and control cable for continuous moving and medium operating conditions</li><li>• In energy command chains and everywhere where signals are transmitted to continuously moving system or machine</li><li>• Especially for industrial environment with high interference potential, in machine, plant and device construction</li></ul>
Properties	<ul style="list-style-type: none"><li>• Through construction and material suitable for continuous movement application.</li><li>• High active and passive interference resistance</li><li>• PVC Flame-retardant, self-extinguishing</li><li>• Largely resistant to oils, greases, acids and bases (see tech. information)</li><li>• Free from paint wetting impairment substances (LABS-free), RoHS-compliant</li></ul>

## Technical data

Voltage	U <sub>0</sub> /U	300/500 V
Test voltage	3000 V	
Insulation resistance	min. 20 MΩ × km	
Temperature range	moving	-5 °C to +80 °C
	fixed	-25 °C to +80 °C

02.10.2009 – Subject to technical modification

Part-No. 110423

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223  
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
www.lutze.com • sales.gb@lutze.co.uk

## Technical data sheet · LÜTZE SUPERFLEX® N (C)Y

---

Minimum bending radius	moving fixed	Cable diameter × 12 Cable diameter × 6
Jacket material	Thermal pressure resistance according to DIN VDE 60881 up to 80 °C	
Cold flexibility	to -25 °C	
Radiation-resistance	8×10 <sup>7</sup> cJ/kg	
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2 DIN EN 50265-2 IEC 60332-1	
Number of strands/cross-section	(4×0.5)	
Outer-∅	7.1 approx. mm	
Weight	7.7 kg/100 m	
Cu-Index	3.4 kg/100 m	

---

### Design

Conductor structure	Bare copper wire, superfine strand according to DIN VDE 0295 Kl. 6, IEC 60228 cl. 6
Conductor insulation	Special PVC conductor insulation TI2 according to VDE 0281 or HD 21.1
Conductor labelling	Conductors black with white number print according to DIN EN 50334
Stranding	Conductors twisted without mechanical stress, layer pitch optimised
Banding	Non-woven material over stranded cable
Inside jacket	PVC
Overall shield	Meshwork from tinned copper wire braid, optical covering ≥ 85 %
Outer jacket	Jacket special PVC TM3 according to VDE 0281 or HD21.1
Jacket colour	grey RAL 7001

---

### General

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

02.10.2009 – Subject to technical modification

Part-No. 110423

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



Systematic Technology