

Technical data sheet · LÜTZE-SILFLEX® N (C) Y



PVC control cable · shielded, without inside jacket

Identification	Type	(25×0.5)
	Part-No.	116248

Use/Area of application

Application	<ul style="list-style-type: none">• Machine and device construction, transport and conveyor technology, heating, climate technology• In dry and moist rooms• As control, measurement and regulation cable for medium operating conditions• For flexible application without compulsory guide• Anywhere where electrical interference fields can influence the signal transmission
Properties	<ul style="list-style-type: none">• The overall shield of braided copper wires prevents both the interference of signals and measured values as well as the radiation of interfering signals• PVC Flame-retardant, self-extinguishing• Widely resistant to oils, greases, 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	
Insulation resistance	min. 20 MΩ × km	
Temperature range	moving	-5 °C to +70 °C
	fixed	-25 °C to +70 °C
Minimum bending radius	according to VDE 0298 table 6	
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2-1	
Number of strands/cross-section	(25×0,5)	

24.11.2007 – Subject to technical modification

Part-No. 116248

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273
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



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Outer-Ø	13.7 approx. mm
Weight	35.0 kg/100 m
Cu-Index	21.1 kg/100 m

Design

Conductor structure	Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
Conductor insulation	Special PVC conductor insulation
Ground conductor	green/yellow according to DIN EN 50334 in the top layer
Stranding	Conductors stranded layers
Overall shield	Meshwork from tinned copper wire braid, optical covering ≥ 85 %
Outer jacket	Jacket special PVC TM2 according to HD21.1, matt, adhesion-free surface
Jacket colour	grey RAL 7001

General

Note	CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG LÜTZE-SILFLEX® is a registered trademark in the USA
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