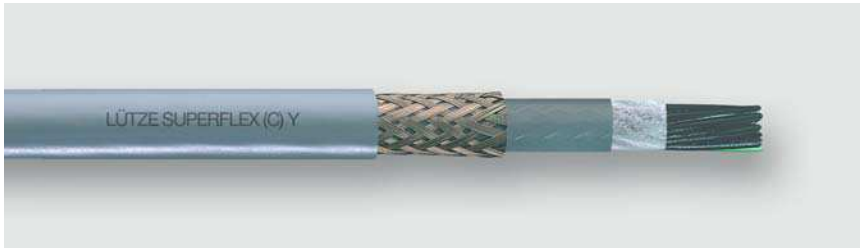


Technical data sheet · LÜTZE SUPERFLEX[®] N (C) PVC

For medium to high requirements



PVC control cables · C-track compatible · shielded

Identification	Type	SU N(C)PVC (3G0,75)
	Part-No.	108803

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Machine and device construction, transport and conveyor technology, HVAC technology • In dry and damp rooms • As a monitoring, measurement and control cable in continuously moving applications • For installation in energy chains with constant linear movement • Anywhere where electrical interference fields can influence the signal transmission
Characteristics	<ul style="list-style-type: none"> • Construction and material suitable for continuous movement application. • High active and passive interference resistance • PVC Flame-retardant, self-extinguishing • Resistant to most oils, greases, acids and alkalis (see tech. information) • Silicone free • RoHS-compliant

Construction

Description	SUPERFLEX N (C) PVC
Number of conductors/cross-section	(3G0.75)
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	7.2 mm

26.01.2017 – Subject to technical modification

Part-No. 108803

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

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For medium to high requirements

Weight	8.2 kg/100 m
Cu-Index	3.6 kg/100 m

Element 1

Element construction	(3G0,75)
Conductor	CU-wire bare
Conductor category	DIN EN 60228, class 6 Superfinely stranded DIN VDE 0295 DIN EN 13602
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC
Stranding	Conductors stranded layers layer pitch optimised Conductors twisted without mechanical stress
Wrapping	Non-woven material

overall construction

Overall wrapping	Non-woven material
Inner jacket	PVC
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Flame-retardant self-extinguishing Silicone-free Oil resistant grease-resistant acid-resistant. alkali-resistant

Technical data

Rated voltage U_0/U	300/500 V
Test voltage type	AC 3000 V
Temperature range moving	-15 °C ... +80 °C
Temperature range fixed	-30 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥1 Mio
Travel distance	≤15 m
Speed	5 m/s

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SYSTEMATIC TECHNOLOGY

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For medium to high requirements

Acceleration 10 m/s²

Element 1

Element construction (3G0,75)
Insulation resistance at 20°C 20.0 MΩ×km

Approvals/Standards

Conformity CE
RoHS
Burning behavior DIN EN 60332-2-2
IEC 60332-2-2
VDE 0482-332-2-2

General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU

Symbols



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