

Technical data sheet · LÜTZE SUPERFLEX® N PVC

For medium to high requirements



PVC control cables · C-track compatible · unshielded

Identification	Type	SU N PVC 3G1,0
	Part-No.	100789

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
Characteristics	<ul style="list-style-type: none"> • Construction and material suitable for continuous movement application. • PVC Flame-retardant, self-extinguishing • Resistant to most oils, greases, acids and alkalis (see tech. information) • Silicone free • RoHS-compliant

Construction

Description	SUPERFLEX N PVC
Number of conductors/cross-section	3G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer Ø	6 mm
Weight	6.4 kg/100 m
Cu-Index	3 kg/100 m

26.01.2017 – Subject to technical modification

Part-No. 100789

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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Element 1

Element construction	3G1,0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 DIN EN 13602 Superfinely stranded DIN VDE 0295
Conductor marking	black with white number print green/yellow
Conductor insulation	Special PVC

overall construction

Overall stranding	Conductors stranded layers schlaglängenoptimiert Conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Jacket characteristics	Flame-retardant self-extinguishing Oil resistant grease-resistant acid-resistant. alkali-resistant Silicone-free

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	10×D
Minimum bending radius fixed	4×D
Travel distance	≤15 m
Speed	5 m/s
Acceleration	10 m/s ²

Element 1

Element construction	3G1,0
Insulation resistance at 20°C	20.0 MΩ×km

Approvals/Standards

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Conformity	CE RoHS
Burning behavior	IEC 60332-2-2 DIN EN 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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