Technical data sheet · LÜTZE SUPERFLEX® N PVC
For medium to high requirements

PVC control cables · C-track compatible · unshielded

Identification	Type	SU N PVC 4G1,0
	Part-No.	100761

Use/Application/Characteristics	
Application	• 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	• 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	4G1.0
Jacket material	Special PVC
Jacket color	grey RAL 7001
Outer ∅	6.5 mm
Weight	7.6 kg/100 m
Cu-Index	4 kg/100 m

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SYSTEMATIC TECHNOLOGY

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Element 1	
Element construction	4G1,0
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/s²
Element 1	
Element construction	4G1,0
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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