Technical data sheet

PVC control cables · C-track compatible · unshielded

LÜTZE SUPERFLEX® 2000 PVC
For medium to high requirements

Identification

Type	SU 2000 PVC 3G0,5
Part No.	100015

Product version

Datasheet version	00

Use/Application/Properties

Application	• Machine and device construction, transport and conveyor technology, heating and climate technology • In dry and damp rooms • As control and control cable in continuously moving applications • For installation in energy chains with constant linear movement
Properties	• Construction and material suitable for continuous movement application • PVC Flame-retardant, self-extinguishing • Largely resistant to oils, greases, acids and bases • Silicone free

Construction

Description	SUPERFLEX® 2000 PVC
Number of conductors/cross-section	3G0.5
Number of conductors	3
Cross-section, metric	0.5 mm²
Jacket material	Special PVC
Jacket color	grey similar to RAL 7001
Outer Ø	5 mm
Weight	3.6 kg/100 m
Cu-Index	1.44 kg/100 m

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

Germany: Friedrich Lütze GmbH
Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

Construction Element 1

Element construction	3G0.5
Conductor	CU-wire bare
Conductor category	DIN EN 60228, class 6 Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	black • with white number print • green/yellow
Conductor marking standard	DIN EN 50334
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction conductors twisted without mechanical stress layer pitch optimised
Overall wrapping	Non-woven material
Jacket characteristics	Silicone-free Flame-retardant

Technical data

Rated voltage U_0/U	300/500 V
Test voltage type	3000 V
Temperature range moving	-15 °C … +80 °C
Temperature range fixed	-30 °C … +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio

Technical Data Element 1

Element construction	3G0.5
Insulation resistance at 20 °C	≥1000 MΩ×km
Operating capacitance wire-wire	approx.80 pF/m

Certifications/Standards

Conformity	CE RoHS REACH
Burning behavior according to	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