

# Technical data sheet · LÜTZE SILFLEX® N PVC CONTROL TRAY CABLE

## With approvals for North America according to NEC, NFPA 79 and UL 508A



PVC control cables · unshielded

<b>Identification</b>	Type	SI N TRAY-ER 3×AWG10 GR
	Part-No.	A3081003

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Multi-conductor control cables with TC-ER „Exposed Run“ approval</li> <li>• Machine and device construction, transport and conveyor technology, HVAC technology</li> <li>• Compliant with NFPA 79 standards</li> <li>• „TC-ER“ for use on machines and in open cable ducts</li> <li>• „WTTC“ Wind Turbine Tray Cable for use in wind turbines</li> <li>• „MTW“ Machine Tool Wire</li> <li>• „PLTC-ER“ Power Limited Tray Cable – Exposed Run</li> <li>• „ITC-ER“ Instrumentation Tray Cable – Exposed Run</li> <li>• In dry, moist and wet rooms</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Flexible wires with nylon for better resistance to pressure and impacts as per UL 1277</li> <li>• Easy stripping and fast installation</li> <li>• Very flexible flexibility for complex installation distances and small bending radii</li> <li>• Improved oil resistance due to specifically developed PVC jacket</li> <li>• Sunlight-resistant</li> <li>• „Direct burial“ for installation in the ground</li> <li>• Silicone free</li> <li>• RoHS compliant</li> </ul>

### Technical data

21.12.2016 – Subject to technical modification

Part-No. A3081003

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

# Technical data sheet · LÜTZE SILFLEX® N PVC CONTROL TRAY CABLE

## With approvals for North America according to NEC, NFPA 79 and UL 508A

Rated voltage	600 V TC-ER/MTW 1000 V WTTC
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×D
Approvals	cURus TC-ER WTTC cULus UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 CIC FT4 cUL TC UL 1277
UL style	AWM 20886
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res II

### Construction

Description	SILFLEX CONTROL CABLE PVC
Number of conductors/cross-section	3×AWG10
Conductor insulation	PVC/Nylon THHN – THWN
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	12.6 mm
Outer Ø	0.495 inches
Weight	25.4 kg/100 m
Weight	171 Lbs/Mft
Cu-Index	14.4 kg/100 m
Cu-Index	97 Lbs/Mft

### Element 1

Conductor	AWG conductor CU-wire bare
Conductor category	feindrähtig
Conductor marking	black with white number print green/yellow

### overall construction

21.12.2016 – Subject to technical modification

Part-No. A3081003

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

# Technical data sheet · LÜTZE SILFLEX® N PVC CONTROL TRAY CABLE

## With approvals for North America according to NEC, NFPA 79 and UL 508A

---

Jacket characteristics

Oil resistant  
Silicone-free

---

### General

Note

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

---

### Symbols



21.12.2016 – Subject to technical modification

Part-No. A3081003

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