

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

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



PVC control cables · shielded

<b>Identification</b>	Type	SI N (C)PVC TRAY-ER (12×AWG20)GR
	Part-No.	A3092012

### 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, HVAC technology, heating and climate 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</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>

### Construction

29.01.2017 – Subject to technical modification

Part-No. A3092012

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SYSTEMATIC TECHNOLOGY

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Description	SILFLEX CONTROL CABLE (C) PVC
Number of conductors/cross-section	(12×AWG20)
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	11.4 mm
Outer Ø	0.45 inches
Weight	19.5 kg/100 m
Weight	131 Lbs/Mft
Cu-Index	8.3 kg/100 m
Cu-Index	56 Lbs/Mft

### Element 1

Element construction	AWG20/12C
Conductor construction	AWG 20 (10/30)
Conductor	AWG conductor CU-wire bare
Conductor category	feindrähtig
Conductor marking	black with white number print green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

### overall construction

Drain wire	CU-wire tin-plated
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires
Jacket characteristics	Oil resistant Silicone-free

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### Technical data

Rated voltage	600 V UL MTW 300 V UL PLTC-ER
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

### Element 1

Element construction	AWG20/12C
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### Approvals/Standards

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Approvals	PLTC-ER ITC-ER cURus cULus UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277
UL style	AWM 20886
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res II

### General

Note These products are in conformity with the EU Low Voltage Directive 2006/95/EC

### Symbols



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