

# Technical data sheet - LÜTZE SILFLEX® Tray-ER Blue PVC with UL/TC-ER/CE Approvals, Blue Conductors for 24 V Applications



Flexible Control and Tray Cable · Unshielded

<b>Identification</b>	Type	SI N TRAY-ER Blue 7×AWG16 GR
	Part-No.	A3251607

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Multi-conductor cable for tray applications, with <b>exposed run</b> (open wiring) approval</li> <li>• Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications</li> <li>• <b>Automotive</b> applications with 24 Volt</li> <li>• MTW rating as required per <b>NFPA 79</b> for machine tool wiring</li> <li>• TC-ER for use on machines and in cable trays without conduit</li> <li>• Dry, damp and wet conditions</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation</li> <li>• Specially formulated jacket for oil resistance</li> <li>• Non-wicking fillers</li> <li>• Sunlight resistant</li> <li>• Direct burial</li> <li>• UL Type TC-Exposed Run</li> <li>• Talc free</li> <li>• Silicone free</li> </ul>

## Construction

Description	SILFLEX® TRAY-ER BLUE PVC
Number of conductors/cross-section	7×AWG16

25.01.2020 – Subject to technical modification

Part-No. A3251607

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  
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SYSTEMATIC TECHNOLOGY

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Cross-section, metric	1.5 mm <sup>2</sup>
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	10.4 mm
Outer Ø	0.409 inch
Weight	116 Lbs/Mft
Cu-Index	57 Lbs/Mft

## Element 1

Element construction	AWG16/7C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire
Conductor marking	blue with white number print white/blue with number print 2 green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

## overall construction

Jacket characteristics	Oil resistant Silicone-free
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## Technical data

Rated voltage U <sub>N</sub>	600 V TC-ER 600 V UL AWM
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4xD

## Element 1

Element construction	AWG16/7C
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## Certifications/Standards

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Certifications	TC-ER cURus cULus UL Type MTW or DP-1 Meets NEC 336,392 Class I & II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505 UL 1277 cUL TC CIC FT4
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res I

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## General

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

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## Symbols



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