

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

Identification	Type	SI N TRAY-ER Blue 12×AWG18 GR
	Part-No.	A3251812

Use/Application/Characteristics

Application	• Multi-conductor cable for tray applications, with exposed run (open wiring) approval • Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications • Automotive applications with 24 Volt • MTW rating as required per NFPA 79 for machine tool wiring • TC-ER for use on machines and in cable trays without conduit • Dry, damp and wet conditions
Characteristics	• Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation • Specially formulated jacket for oil resistance • Non-wicking fillers • Sunlight resistant • Direct burial • UL Type TC-Exposed Run • Talc free • Silicone free

Construction

Description	SILFLEX® TRAY-ER BLUE PVC
Number of conductors/cross-section	12×AWG16

25.01.2020 – Subject to technical modification

Part-No. A3251812

USA: LÜTZE 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

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

Cross-section, metric	1 mm ²
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	12.1 mm
Outer Ø	0.477 inch
Weight	143 Lbs/Mft
Cu-Index	72 Lbs/Mft

Element 1

Element construction	AWG18/12C
Conductor construction	AWG 18 (19/30)
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
------------------------	--------------------------------

Technical data

Rated voltage U _N	600 V TC-ER 600 V UL AWM
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×D

Element 1

Element construction	AWG18/12C
----------------------	-----------

Certifications/Standards

25.01.2020 – Subject to technical modification

Part-No. A3251812

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® Tray-ER Blue PVC with UL/TC-ER/CE Approvals, Blue Conductors for 24 V Applications

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

General

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

Symbols



25.01.2020 – Subject to technical modification

Part-No. A3251812

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