

# Technical data sheet · LÜTZE SILFLEX® Tray-ER PVC with UL/TC-ER/WTTC/MTW/CE Approvals

Flexible Tray Cable · Unshielded



<b>Identification</b>	Type	AWG14/12C
	Part-No.	A3221412

## 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>• Compliant with <b>NFPA 79</b> for machine tool wiring</li> <li>• <b>TC-ER</b> for use with cable trays <b>without conduit</b>, which can reduce material and labor costs</li> <li>• Machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications</li> <li>• WTTC – wind turbine tray cable rating for use in wind power generation</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 PVC
-------------	---------------------

11.03.2017 – Subject to technical modification

Part-No. A3221412

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 PVC with UL/TC-ER/WTTC/MTW/CE Approvals

---

Number of conductors/cross-section	12×AWG14
Jacket material	PVC
Jacket color	black RAL 9005

## Element 1

Element construction	AWG14/12C
Conductor construction	AWG 14 (41/30)
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

Jacket characteristics	Oil resistant Silicone-free
------------------------	--------------------------------

---

## Technical data

Rated voltage	600 V TC-ER 1000 V WTTC
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×D

## Element 1

Element construction	AWG14/12C
----------------------	-----------

---

## Approvals/Standards

Approvals	TC-ER cURus cULus UL Type MTW or DP-1 WTTC Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277
Conformity	CE REACH RoHS

11.03.2017 – Subject to technical modification

Part-No. A3221412

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 PVC with UL/TC-ER/WTTC/MTW/CE Approvals

Oil resistant according to

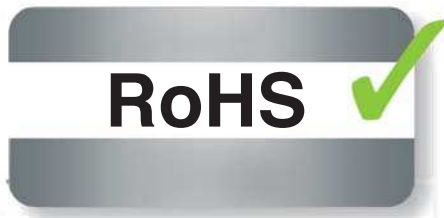
Oil Res II

## General

Note

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

## Symbols



11.03.2017 – Subject to technical modification

Part-No. A3221412

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