

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



Flexible Motor Cable - Unshielded

<b>Identification</b>	Type	SI TRAY-ER TPE 4xAWG1/0
	Part-No.	A3321/004

## 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>• Metal cutting equipment, 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 locations</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 TPE jacket for superior oil resistance</li> <li>• Cutting oil resistant – mineral &amp; bio/vegetable based oil *specially tested with plant based cutting oil</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

15.08.2018 – Subject to technical modification

Part-No. A3321/004

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

---

Description	SILFLEX® TRAY-ER TPE
Number of conductors/cross-section	4x1/0
Jacket material	TPE
Jacket color	black RAL 9005
Outer Ø	36.4 mm
Outer Ø	1.435 inches
Weight	1871 Lbs/Mft
Cu-Index	1338 Lbs/Mft

## Element 1

Element construction	1/0/4C
Conductor construction	1/0 (1064/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire
Conductor marking	black with white number print green/yellow
Conductor insulation	PVC/Nylon THHN – THWN

## overall construction

Jacket characteristics	Oil resistant mineral oil-resistant bio-oil-resistant UV resistant (normal lighting conditions) Silicone-free
------------------------	---

---

## Technical data

Rated voltage $U_N$	600 V TC-ER 90C 600 V MTW 90C 1000 V WTTC 90C 600 V UL AWM 105 °C
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4xD

## Element 1

Element construction	1/0/4C
----------------------	--------

---

## Approvals/Standards

---

15.08.2018 – Subject to technical modification

Part-No. A3321/004

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

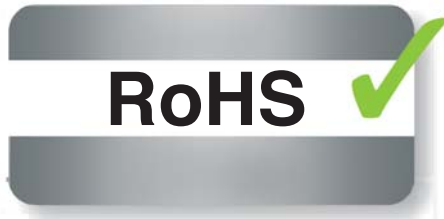
# Technical data sheet - LÜTZE SILFLEX® Tray-ER TPE with UL/TC-ER/WTTC/MTW/CE Approvals

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 UL 509 BUS Drop pending
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res I Oil Res II

## General

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

## Symbols



15.08.2018 – Subject to technical modification

Part-No. A3321/004

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