

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

Flexible Tray Cable · Shielded



Identification	Type	SI N(C)TPE TRAY-ER (3×AWG18) SW
	Part-No.	A3311805

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> Shielded multi-conductor cable for tray applications, with exposed run (open wiring) approval Compliant with NFPA 79 for machine tool wiring TC-ER for use with cable trays without conduit, which can reduce material and labor costs Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications WTTC – wind turbine tray cable rating for use in wind power generation Dry, damp and wet locations
Characteristics	<ul style="list-style-type: none"> Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation Specially formulated TPE jacket for superior oil resistance Cutting oil resistant – mineral & bio/vegetable based oil *specially tested with plant based cutting oil Sunlight resistant Direct burial UL Type TC-Exposed Run Talc free Silicone free

Construction

11.03.2017 – Subject to technical modification

Part-No. A3311805

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 (C) TRAY-ER TPE
Number of conductors/cross-section	(5×AWG18)
Jacket material	TPE
Jacket color	black RAL 9005
Outer Ø	9 mm
Outer Ø	0.354 inches
Weight	99 Lbs/Mft
Cu-Index	42 Lbs/Mft

Element 1

Element construction	AWG18/5C
Conductor construction	AWG 18 (16/30)
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 mineral oil-resistant bio-oil-resistant

Technical data

Rated voltage	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	6×D

Element 1

Element construction	AWG18/5C
----------------------	----------

11.03.2017 – Subject to technical modification

Part-No. A3311805

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

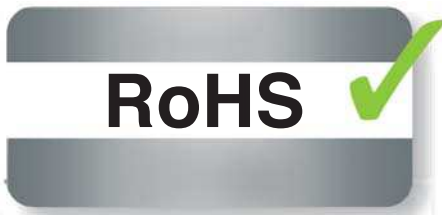
Approvals/Standards

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
Oil resistant according to	Oil Res II Oil Res I

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. A3311805

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