

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

Flexible Tray Cable · Shielded



Identification	Type	AWG14/12C
	Part-No.	A3311412

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. A3311412

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SYSTEMATIC TECHNOLOGY

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Description	SILFLEX (C) TRAY-ER TPE
Number of conductors/cross-section	(12×AWG14)
Jacket material	TPE
Jacket color	black RAL 9005
Outer Ø	15.8 mm
Outer Ø	0.62 inches
Weight	339 Lbs/Mft
Cu-Index	201 Lbs/Mft

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

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	AWG14/12C
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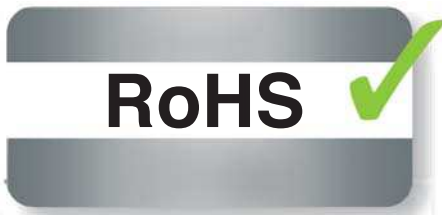
Approvals/Standards

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



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