

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



Flexible Tray Cable · Unshielded

Identification	Type	SI TRAY-ER PVC 18×AWG18
	Part-No.	A3221818
Use/Application/Characteristics		
Application	• 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 • 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 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 PVC	

25.01.2020 – Subject to technical modification

Part-No. A3221818

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Number of conductors/cross-section	18×AWG18
Cross-section AWG	AWG 18
Cross-section, metric	1 mm ²
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	14.9 mm
Outer Ø	0.587 inch
Weight	34.7 kg/100 m
Weight	240 Lbs/Mft
Cu-Index	16.1 kg/100 m
Cu-Index	108 Lbs/Mft

Element 1

Element construction	AWG18/18C
Conductor construction	AWG 18 (19/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire
Conductor marking	black with white number print green/yellow
Conductor insulation	PVC/Nylon

overall construction

Jacket characteristics	Flame-retardant Oil resistant UV resistant (normal lighting conditions) Silicone-free
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Technical data

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

Element 1

Element construction	AWG18/18C
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Certifications/Standards

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SYSTEMATIC TECHNOLOGY

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Certifications	TC-ER cURus cULus UL Type MTW or DP-1 WTTC Meets NEC 336,392 Class I & II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505 cUL TC CIC FT4 UL 1277
UL style	AWM 20886
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res II

General

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



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