

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

Flexible Tray Cable · Unshielded



Identification	Type	SI N TRAY-ER 12×AWG18 SW
	Part-No.	A3221812

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
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11.03.2017 – Subject to technical modification

Part-No. A3221812

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SYSTEMATIC TECHNOLOGY

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Number of conductors/cross-section	12×AWG18
Jacket material	PVC
Jacket color	black RAL 9005
Outer Ø	12.1 mm
Outer Ø	0.477 inches
Weight	22.6 kg/100 m
Weight	157 Lbs/Mft
Cu-Index	10.7 kg/100 m
Cu-Index	72 Lbs/Mft

Element 1

Element construction	AWG18/12C
Conductor construction	AWG 18 (19/30)
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
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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	AWG18/12C
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Approvals/Standards

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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

General

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

Symbols



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