

Technical data sheet - LÜTZE SILFLEX® N PVC CONTROL TRAY CABLE

With approvals for North America according to NEC, NFPA 79 and UL 508A



PVC control cables · unshielded

Identification	Type	SI N TRAY-ER 18xAWG18 GR
	Part-No.	A3081818

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Multi-conductor control cables with TC-ER „Exposed Run“ approval • Machine and device construction, transport and conveyor technology, HVAC technology • Compliant with NFPA 79 standards • „TC-ER“ for use on machines and in open cable ducts • „WTTC“ Wind Turbine Tray Cable for use in wind turbines • „MTW“ Machine Tool Wire • „PLTC-ER“ Power Limited Tray Cable – Exposed Run • „ITC-ER“ Instrumentation Tray Cable – Exposed Run • In dry, moist and wet rooms
Characteristics	<ul style="list-style-type: none"> • Flexible wires with nylon for better resistance to pressure and impacts as per UL 1277 • Easy stripping and fast installation • Very flexible flexibility for complex installation distances and small bending radii • Improved oil resistance due to specifically developed PVC jacket • Sunlight-resistant • „Direct burial“ for installation in the ground • Silicone free • RoHS compliant

Construction

28.11.2017 – Subject to technical modification

Part-No. A3081818

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SYSTEMATIC TECHNOLOGY

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Description	SILFLEX CONTROL CABLE PVC
Number of conductors/cross-section	18xAWG18
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	14.9 mm
Outer Ø	0.587 inches
Weight	35.7 kg/100 m
Weight	240 Lbs/Mft
Cu-Index	16 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 THHN – THWN

overall construction

Jacket characteristics	Oil resistant Silicone-free
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Technical data

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

Element 1

Element construction	AWG18/18C
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Approvals/Standards

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Approvals	TC-ER WTTC PLTC-ER ITC-ER cURus cULus UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 CIC FT4 cUL TC 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

Symbols



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