

Technical data sheet · LÜTZE SILFLEX® N (C) PVC CONTROL TRAY CABLE

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



PVC control cables · shielded

Identification	Type	SI N (C)PVC TRAY-ER (12×AWG14)GR
	Part-No.	A3091412

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Multi-conductor control cables with TC-ER „Exposed Run“ approval • Machine and device construction, HVAC technology, heating and climate 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 • 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

29.01.2017 – Subject to technical modification

Part-No. A3091412

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SYSTEMATIC TECHNOLOGY

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Description	SILFLEX CONTROL CABLE (C) PVC
Number of conductors/cross-section	(12×AWG14)
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	16.3 mm
Outer Ø	0.64 inches
Weight	47 kg/100 m
Weight	316 Lbs/Mft
Cu-Index	27 kg/100 m
Cu-Index	182 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

Technical data

Rated voltage	600 V TC-ER/MTW 1000 V WTTC
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

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Approvals	TC-ER WTTTC UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277 PLTC-ER ITC-ER
UL style	AWM 20886
Conformity	CE REACH RoHS
Oil resistant according to	Oil Res II

General

Note These products are in conformity with the EU Low Voltage Directive 2006/95/EC

Symbols



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