

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 (5×AWG20)GR
	Part-No.	A3092005

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. A3092005

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

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

Description	SILFLEX CONTROL CABLE (C) PVC
Number of conductors/cross-section	(5×AWG20)
Jacket material	PVC
Jacket color	grey RAL 7001
Outer Ø	8.5 mm
Outer Ø	0.336 inches
Weight	11 kg/100 m
Weight	74 Lbs/Mft
Cu-Index	4.2 kg/100 m
Cu-Index	28 Lbs/Mft

Element 1

Element construction	AWG20/5C
Conductor construction	AWG 20 (10/30)
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 UL MTW 300 V UL PLTC-ER
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

Element 1

Element construction	AWG20/5C
----------------------	----------

Approvals/Standards

29.01.2017 – Subject to technical modification

Part-No. A3092005

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

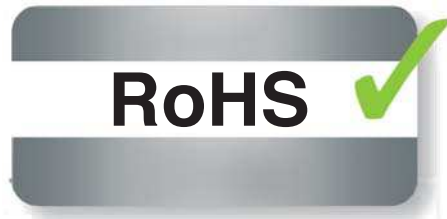
With approvals for North America according to NEC, NFPA 79 and UL 508A

Approvals	PLTC-ER ITC-ER cURus cULus UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 cUL TC CIC FT4 UL 1277
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



29.01.2017 – Subject to technical modification

Part-No. A3092005

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY