

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 5×AWG20 GR |
| | Part-No. | A3082005 |

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

29.01.2017 – Subject to technical modification

Part-No. A3082005

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 PVC CONTROL TRAY CABLE

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

| | |
|------------------------------------|---------------------------|
| Description | SILFLEX CONTROL CABLE PVC |
| Number of conductors/cross-section | 5×AWG20 |
| Jacket material | PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 7.9 mm |
| Outer Ø | 0.313 inches |
| Weight | 8.5 kg/100 m |
| Weight | 57 Lbs/Mft |
| Cu-Index | 2.4 kg/100 m |
| Cu-Index | 16 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

| | |
|------------------------|--------------------------------|
| 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 | 4×D |

Element 1

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

Approvals/Standards

29.01.2017 – Subject to technical modification

Part-No. A3082005

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 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 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



29.01.2017 – Subject to technical modification

Part-No. A3082005

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