

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 12×AWG14 GR |
| | Part-No. | A3081412 |

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. A3081412

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SYSTEMATIC TECHNOLOGY

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| | |
|------------------------------------|---------------------------|
| Description | SILFLEX CONTROL CABLE PVC |
| Number of conductors/cross-section | 12×AWG14 |
| Jacket material | PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 15.5 mm |
| Outer Ø | 0.61 inches |
| Weight | 42.1 kg/100 m |
| Weight | 283 Lbs/Mft |
| Cu-Index | 22.9 kg/100 m |
| Cu-Index | 154 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

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

Element 1

| | |
|----------------------|-----------|
| Element construction | AWG14/12C |
|----------------------|-----------|

Approvals/Standards

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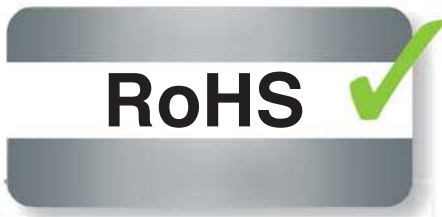
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| | |
|----------------------------|--|
| Approvals | TC-ER W TTC PLTC-ER ITC-ER cURus cULus UL Type MTW or DP-1 Class 1 Div. 2 per NEC Art. 336, 392, 501 CIC FT4 cUL TC UL 1277 |
| UL style | AWM 20886 |
| Conformity | CE REACH RoHS |
| Oil resistant 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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