#### Technical data sheet

## Flexible Control and Tray CableTRAY-ER PVC · Shielded

## LUTZE SILFLEX® N Control Cable (C) PVC For Stationary Applications











SIN (C) PVC TRAY-ER (25×AWG14) GR Type

Part No. A3091425

**Product version** 

Datasheet version 00

## **Use/Application/Properties**

Application Dual-shielded multi-conductor cable for tray and control applications

Machine tools, machine and plant construction, VAC technology as well

as other uses.

· Compliant with NFPA 79 requirements

• TC-ER-JP for use with cable trays without conduit, which can reduce

installation costs in industrial environments

• WTTC – wind turbine tray cable rating for use in wind power generation

• PLTC-ER Power Limited Tray Cable – Exposed Run

ITC-ER Instrumentation Tray Cable – Exposed Run

· Dry, damp or wet locations

Crush impact resistant

· Gas/vapor-tight sheath per UL 1277

· Non-wicking fillers

· Ecolab certified resistance to common cleaning agents and chemicals

used in food and beverage washdown procedures

Sunlight resistant

· Flame retardant

• "direct burial" for installation in the ground

· Talc free and silicone free

#### Construction

**Properties** 

SILFLEX® CONTROL CABLE (C) PVC Description

Number of conductors/cross-section (25×AWG14)

Number of conductors 25

Cross-section, metric 2.5 mm<sup>2</sup>

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

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

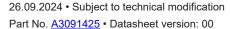
Tel. +44 (0)1827 31333-0

www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt

Tel. +49 (0)7151 6053-0 www.luetze.de • info@luetze.de





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Cross-section AWG **AWG 14 PVC** Jacket material

Jacket color grey similar to RAL 7001

Outer Ø 22.3 mm Outer Ø 0.88 inch Weight 88.7 kg/100 m Weight 596 Lbs/Mft Cu-Index 54.2 kg/100 m Cu-Index 364 Lbs/Mft

#### **Construction Element 1**

Element construction AWG14/25C AWG 14 (41/30) Conductor construction Conductor AWG conductor CU-wire bare

Fine wire

Conductor category Class K

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 U<sub>N</sub> 600 V 90C UL TC-ER-JP

> 1000 V WTTC 90C 600 V UL MTW 1000 V 105C AWM -40 °C ... +105 °C

6×D

Minimum bending radius fixed

## **Technical Data Element 1**

Temperature range fixed

AWG14/25C Element construction



### **Technical data sheet**

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## **Certifications/Standards**

Certifications UL Type MTW or DP-1

Meets NEC 336, 392, 725, 727 Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505

C(UL) TC and CIC FT4

UL 1277 TC-ER-JP WTTC PLTC-ER ITC-ER

UL style AWM 20886

Conformity CE RoHS

REACH TSCA

Oil resistant according to Oil Res II

## General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/

35/EU