

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

LUTZE SILFLEX® N Control Cable PVC For Stationary Applications



Identification

Type	SI N PVC TRAY-ER 3×AWG14 SW
Part No.	A3221403

Product version

Datasheet version	00
-------------------	----

Use/Application/Properties

Application	• 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
Properties	• 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

Description	SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section	3×AWG14
Number of conductors	3
Cross-section, metric	2.5 mm ²
Cross-section AWG	AWG 14

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

18.09.2024 • Subject to technical modification

Part No. [A3221403](#) • Datasheet version: 00

page 1 of 3

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	8.8 mm
Outer Ø	0.348 inch
Weight	12.4 kg/100 m
Weight	87 Lbs/Mft
Cu-Index	5.7 kg/100 m
Cu-Index	38 Lbs/Mft

Construction Element 1

Element construction	AWG14/3C
Conductor construction	AWG 14 (41/30)
Conductor	AWG conductor CU-wire bare
Conductor category	Fine wire Class K
Conductor marking	black • with white number print • green/yellow
Conductor insulation	PVC/Nylon

Overall construction

Jacket characteristics	Oil resistant UV resistant (normal lighting conditions) Silicone free
------------------------	---

Technical data

Rated voltage U_N	600 V 90C UL TC-ER-JP 1000 V WTTC 90C 600 V UL MTW 1000 V 105C AWM
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	4×D

Technical Data Element 1

Element construction	AWG14/3C
----------------------	----------

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

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

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
------	--