

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 TRAY-ER 18×AWG18 GR
Part No. [A3081818](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Multi-wire control cables with TC-ER „Exposed Run“ approval
 - 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
 - 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 (AWG 18 and larger)
 - Talc free and silicone free

Construction

Description SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section 18×AWG18
Number of conductors 18
Cross-section, metric 1 mm²

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

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

23.06.2023 • Subject to technical modification

Part No. [A3081818](#) • Datasheet version: 00

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

Cross-section AWG	AWG 18
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	14.9 mm
Outer Ø	0.587 inch
Weight	35.7 kg/100 m
Weight	240 Lbs/Mft
Cu-Index	16 kg/100 m
Cu-Index	108 Lbs/Mft

Construction Element 1

Element construction	AWG18/18C
Conductor construction	AWG 18 (19/30)
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 THHN – THWN

Overall construction

Jacket characteristics	Oil resistant Silicone-free
------------------------	--------------------------------

Technical data

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

Technical Data Element 1

Element construction	AWG18/18C
----------------------	-----------

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
----------------	---

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

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
------	--