

Technical data sheet

Flexible Premium TPE Control and Tray Cable for Stationary Applications · Unshielded

LUTZE SILFLEX® Tray-ER TPE



Identification

Type SI TRAY-ER TPE 4×AWG10
Part No. [A3321004](#)

Product version

Datasheet version 00

Use/Application/Properties

Application	<ul style="list-style-type: none">Multi-conductor power cable for tray and control applications, with exposed run (open wiring) approvalMetal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applicationsCompliant with NFPA 79 requirementsTC-ER for use with cable trays without conduit, which can reduce installation costs in industrial environmentsWTTC – wind turbine tray cable rating for use in wind power generationDry, damp or wet locations
Properties	<ul style="list-style-type: none">Crush impact resistantGas/vapor-tight sheath per UL 1277Cutting oil resistant - mineral and bio/vegetable based oil, specially tested with plant based cutting oil.Non-wicking fillersEcolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown proceduresSpecially formulated TPE jacket for superior oil resistanceSunlight resistantFlame-retardantTalc free and silicone free

Construction

Description SILFLEX® TRAY-ER TPE
Number of conductors/cross-section 4×AWG10
Number of conductors 4

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

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Cross-section, metric	6 mm ²
Cross-section AWG	AWG 10
Jacket material	TPE
Jacket color	black similar to RAL 9005
Outer Ø	14.6 mm
Outer Ø	0.573 inch
Weight	221 Lbs/Mft
Cu-Index	134 Lbs/Mft

Construction Element 1

Element construction	AWG10/4C
Conductor construction	AWG 10 (105/30)
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 mineral oil-resistant bio-oil-resistant UV resistant (normal lighting conditions) Silicone-free
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Technical data

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

Technical Data Element 1

Element construction	AWG10/4C
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Certifications/Standards

Certifications	TC-ER cURus cULus UL Type MTW or DP-1 WTTC Meets NEC 336,392 Class 1 Div. 2 per NEC Zone 2 per NEC 501, 502, 505 C(UL) TC and CIC FT4 UL 1277 UL 509 BUS Drop pending
UL style	AWM 21270
Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res I Oil Res II

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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