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×AWG8
Part No.	A3320804

Product version

Datasheet version	00

Use/Application/Properties

Application

- Multi-conductor power cable for tray and control applications, with exposed run (open wiring) approval
- Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
- Compliant with NFPA 79 requirements
- TC-ER 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
- Dry, damp or wet locations

Properties

- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Cutting oil resistant - mineral and bio/vegetable based oil, specially tested with plant based cutting oil.
- Non-wicking fillers
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Specially formulated TPE jacket for superior oil resistance
- Sunlight resistant
- Flame-retardant
- Talc free and silicone free

Construction

Description	SILFLEX® TRAY-ER TPE
Number of conductors/cross-section	4×AWG8
Number of conductors	4

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Cross-section, metric	10 mm²
Cross-section AWG	AWG 8
Jacket material	TPE
Jacket color	black similar to RAL 9005
Outer Ø	18.9 mm
Outer Ø	0.744 inch
Weight	392 Lbs/Mft
Cu-Index	214 Lbs/Mft

Construction Element 1

Element construction	AWG8/4C
Conductor construction	AWG 8 (168/30)
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

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	AWG8/4C

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