

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

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



Identification

Type SI TRAY-ER PVC 4×AWG12
Part No. [A3221204](#)

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
 - 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
 - Oil resistance
 - Direct burial (AWG 18 and larger)
 - Talc free and silicone free

Construction

Description SILFLEX® TRAY-ER PVC
Number of conductors/cross-section 4×AWG12
Number of conductors 4
Cross-section, metric 4 mm²
Cross-section AWG AWG 12

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SYSTEMATIC TECHNOLOGY

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Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	11.1 mm
Outer Ø	0.437 inch
Weight	21.3 kg/100 m
Weight	150 Lbs/Mft
Cu-Index	12.3 kg/100 m
Cu-Index	84 Lbs/Mft

Construction Element 1

Element construction	AWG12/4C
Conductor construction	AWG 12 (65/30)
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
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Technical data

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

Technical Data Element 1

Element construction	AWG12/4C
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Certifications/Standards

Certifications	TC-ER cURus cULus UL Type MTW or DP-1 WTTC Meets NEC 336,392 Class I and II, Div. 2 Class 1 Div. 2 per NEC 501, 502, 505 cUL TC CIC FT4 UL 1277
UL style	AWM 20886

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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
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