

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Shielded

LÜTZE SILFLEX® (C) Tray-ER PVC For Stationary Applications



Identification

Type SI N (C) PVC TRAY-ER (3×AWG2) SW
Part No. [A3210203](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Dual-shielded multi-conductor cable for tray and control applications
 - 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
 - "direct burial" for installation in the ground
 - Talc free and silicone free

Construction

Description SILFLEX® CONTROL CABLE (C) PVC
Number of conductors/cross-section (3×AWG2)
Number of conductors 3
Cross-section, metric 35 mm²
Cross-section AWG AWG 2
Jacket material PVC
Jacket color black similar to RAL 9005
Outer Ø 29 mm
Outer Ø 1.141 inch
Weight 153.3 kg/100 m

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SYSTEMATIC TECHNOLOGY

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Weight	1030 Lbs/Mft
Cu Index	109.4 kg/100 m
Cu Index	735 Lbs/Mft

Construction Element 1

Element construction	AWG2/3C
Conductor construction	AWG 2 (665/30)
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

Drain wire	CU-wire tin-plated
Overall shield	Foil shield Aluminium laminate Braid shield Tinned copper wires
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 1000 V 105C AWM
Temperature range fixed	-40 °C ... +105 °C
Minimum bending radius fixed	6×cable OD

Technical Data Element 1

Element construction	AWG2/3C
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Approvals/Standards

Approvals	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
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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