

# Technical data sheet

## Flexible Control and Tray Cable TRAY-ER PVC · Shielded

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



ECOLAB®

#### Identification

Type SI N (C) PVC TRAY-ER (5xAWG10) SW  
Part No. [A3211005](#)

#### 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	(5xAWG10)
Number of conductors	5
Cross-section, metric	6 mm <sup>2</sup>
Cross-section AWG	AWG 10

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Jacket material	PVC
Jacket color	black similar to RAL 9005
Outer Ø	16.5 mm
Outer Ø	0.651 inch
Weight	48.5 kg/100 m
Weight	326 Lbs/Mft
Cu-Index	31 kg/100 m
Cu-Index	208 Lbs/Mft

#### Construction Element 1

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Element construction	AWG10/5C
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
	THHN – THWN

#### Overall construction

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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

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Rated voltage U <sub>N</sub>	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×D

#### Technical Data Element 1

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Element construction	AWG10/5C
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## Flexible Control and Tray Cable TRAY-ER PVC · Shielded

### 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
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
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