

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

LUTZE SILFLEX® N Control Cable PVC For Stationary Applications



Identification

Type SI N TRAY-ER 7xAWG6 GR
Part No. [A3080607](#)

Product version

Datasheet version 00

Use/Application/Properties

Application

- 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 PVC
Number of conductors/cross-section	7xAWG6
Number of conductors	7
Cross-section, metric	16 mm ²
Cross-section AWG	AWG 6
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	26.1 mm
Outer Ø	1.028 inch
Weight	130.4 kg/100 m

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Weight	876 Lbs/Mft
Cu Index	88.7 kg/100 m
Cu Index	596 Lbs/Mft

Construction Element 1

Element construction	AWG6/07C
Conductor construction	AWG 6 (266/30)
Conductor	AWG conductor
	CU-wire bare
Conductor category	Fine wire
	Class K
Conductor marking	black • with white number print • Ground conductor: green/yellow
Conductor insulation	PVC/Nylon
	THHN – THWN

Overall construction

Jacket characteristics	Oil resistant Silicone free
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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	4×cable OD

Technical Data Element 1

Element construction	AWG6/07C
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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
Conformity	CE RoHS REACH TSCA
Oil resistant according to	Oil Res II

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General

Note

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