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 7×AWG18 GR
Part No.	A3081807

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
- PLTC-ER Power Limited Tray Cable – Exposed Run
- ITC-ER Instrumentation Tray Cable – Exposed Run
- 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	7×AWG18
Number of conductors	7
Cross-section, metric	1 mm²
Cross-section AWG	AWG 18

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Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	9.5 mm
Outer Ø	0.373 inch
Weight	15.2 kg/100 m
Weight	102 Lbs/Mft
Cu-Index	6.2 kg/100 m
Cu-Index	42 Lbs/Mft

Construction Element 1

Element construction	AWG18/07C
Conductor construction	AWG 18 (19/30)
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

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×D

Technical Data Element 1

Element construction	AWG18/07C

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 PLTC-ER ITC-ER
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