

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Unshielded

LUTZE SILFLEX® N PVC CONTROL TRAY CABLE For Stationary Applications



Identification

Type	SI N TRAY-ER 3×AWG6 GR
Part No.	A3080603

Product version

Datasheet version	00
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Use/Application/Properties

Application	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	3×AWG6
Number of conductors	3
Cross-section, metric	16 mm ²
Cross-section AWG	AWG 6
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	18.9 mm
Outer Ø	0.744 inch
Weight	61.2 kg/100 m

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Weight	411 Lbs/Mft
Cu Index	37.8 kg/100 m
Cu Index	254 Lbs/Mft

Construction Element 1

Element construction	AWG6/03C
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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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	AWG6/03C
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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