

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	• 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	3×AWG6
Number of conductors	3
Cross-section, metric	16 mm ²
Cross-section AWG	AWG 6
Jacket material	PVC

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Jacket color	grey similar to RAL 7001
Outer Ø	18.9 mm
Outer Ø	0.744 inch
Weight	61.2 kg/100 m
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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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	AWG6/03C
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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

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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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