

Technical data sheet

Flexible Control and Tray Cable TRAY-ER PVC · Shielded

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



Identification

Type SI N (C) PVC TRAY-ER (3×AWG12) GR
Part No. [A3091203](#)

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 • 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 (C) PVC
Number of conductors/cross-section	(3×AWG12)
Number of conductors	3
Cross-section, metric	4 mm ²
Cross-section AWG	AWG 12
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	10.8 mm

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Outer Ø	0.425 inch
Weight	22.3 kg/100 m
Weight	150 Lbs/Mft
Cu Index	13.2 kg/100 m
Cu Index	89 Lbs/Mft

Construction Element 1

Element construction	AWG12/3C
Conductor construction	AWG 12 (65/30)
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

Drain wire	CU-wire tin-plated
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires
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	6×cable OD

Technical Data Element 1

Element construction	AWG12/3C
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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 PLTC-ER ITC-ER
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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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