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 (5×AWG8) GR
Part No.	A3090805

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 • 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	(5×AWG8)
Number of conductors	5
Cross-section, metric	10 mm²
Cross-section AWG	AWG 8

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Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	22.1 mm
Outer Ø	0.869 inch
Weight	82.6 kg/100 m
Weight	555 Lbs/Mft
Cu-Index	49.7 kg/100 m
Cu-Index	334 Lbs/Mft

Construction Element 1

Element construction	AWG8/5C
Conductor construction	AWG 8 (168/30)
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	Foil shield Aluminium laminate 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×D

Technical Data Element 1

Element construction	AWG8/5C

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
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