

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 41×AWG20 GR
Part No. [A3082041](#)

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
- 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
- Talc free and silicone free

Construction

Description	SILFLEX® CONTROL CABLE PVC
Number of conductors/cross-section	41×AWG20
Number of conductors	41
Cross-section, metric	0.5 mm ²
Cross-section AWG	AWG 20
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	19.2 mm
Outer Ø	0.756 inch
Weight	44 kg/100 m
Weight	296 Lbs/Mft
Cu Index	19.2 kg/100 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet

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Cu Index 129 Lbs/Mft

Construction Element 1

Element construction AWG20/41C
Conductor construction AWG 20 (10/30)
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 300 V 90C PLTC-ER
300 V 90C ITC-ER
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 AWG20/41C

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
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
