

## Technical data sheet

Flexible Control and Tray Cable with Blue Conductors for 24V Applications · Unshielded

LUTZE SILFLEX® (C) Tray-ER Blue, PVC



### Identification

Type SI N TRAY-ER Blue 25×AWG16 GR  
Part No. [A3251625](#)

### Product version

Datasheet version 00

### Use/Application/Properties

- Application
- Multi-wire control cables with TC-ER „Exposed Run“ approval
  - Machine tools, machine and plant construction, VAC technology as well as other uses.
  - Compliant with NFPA 79 requirements
  - Blue conductors indicating 24 Volt circuits
  - MTW Machine Tool Wire
  - TC-ER for use with cable trays without conduit, which can reduce installation costs in industrial environments
  - Dry, damp or wet conditions
- Properties
- Specially formulated gray PVC jacket for oil resistance
  - Crush impact resistant
  - Gas/vapor-tight sheath per UL 1277
  - Non-wicking fillers
  - Sunlight resistant
  - Flame-retardant
  - Direct burial
  - Talc free and silicone free

### Construction

Description	SILFLEX® TRAY-ER BLUE PVC
Number of conductors/cross-section	25×AWG16
Number of conductors	25
Cross-section, metric	1.5 mm <sup>2</sup>
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	18.7 mm
Outer Ø	0.737 inch
Weight	379 Lbs/Mft
Cu Index	204 Lbs/Mft

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### Flexible Control and Tray Cable with Blue Conductors for 24V Applications · Unshielded

#### Construction Element 1

Element construction	AWG16/25C
Conductor construction	AWG 16 (26/30)
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire Class K
Conductor marking	blue · with white number print · green/yellow · with number print 2 · white/ blue
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 TC-ER 90C 600 V UL MTW
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×cable OD

#### Technical Data Element 1

Element construction	AWG16/25C
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#### Approvals/Standards

Approvals	TC-ER UL Type MTW or DP-1 Meets NEC 336,392 Class I and II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 cUL TC CIC FT4 UL 1277
Conformity	RoHS REACH TSCA
Oil resistant according to	Oil Res I

#### General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/ 35/EU
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