

Technical data sheet

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

LÜTZE SILFLEX® Tray-ER Blue PVC



Identification

Type SI N TRAY-ER Blue 12×AWG16 GR
Part No. [A3251612](#)

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	12×AWG16
Number of conductors	12
Cross-section, metric	1.5 mm ²
Cross-section AWG	AWG 16
Jacket material	PVC
Jacket color	grey similar to RAL 7001
Outer Ø	14.1 mm
Outer Ø	0.557 inch
Weight	194 Lbs/Mft

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SYSTEMATIC TECHNOLOGY

Technical data sheet

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Cu Index 98 Lbs/Mft

Construction Element 1

Element construction AWG16/12C
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

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 AWG16/12C

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
