

# Technical data sheet

LUTZE SILFLEX® FBP · Unshielded

## Flexible Control Cable for Food and Beverage Processing



### Identification

Type SI FBP TPE 2×AWG18  
Part No. [A6011802](#)

### Product version

Datasheet version 00

### Use/Application/Properties

- Application
- Multi-conductor control cable for machine and handling devices in food, beverage and drug processing applications
  - FDA sanctioned jacket material for direct food contact per 21 CFR
  - Compliant with NFPA 79, Article 12.9
  - Suitable for use in food contact zone, splash zone and non-contact zones
- Properties
- FDA compliance tested per 21 CFR 175.300
  - California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) compliant
  - REACH 1907/2006/EC compliant
  - RoHS Directive EU 2015/863 compliant
  - Phthalate free jacket
  - Low-capacitance cable
  - Easy stripping and fast installation
  - Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
  - Easy routing and bending due to flexibility
  - Resistance to most oils and fats
  - Small cable diameters
  - Non-wicking fillers
  - Talc free and silicone free
  - Patented design US-11443871-B2

### Construction

Description SILFLEX® FBP TPE  
Number of conductors/cross-section 2×AWG18  
Number of conductors 2

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Part No. [A6011802](#) • Datasheet version: 00

page 1 of 2



SYSTEMATIC TECHNOLOGY

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Cross-section, metric	1 mm <sup>2</sup>
Cross-section AWG	AWG 18
Jacket material	Thermoplastic Polymer
Jacket color	black similar to RAL 9005
Outer Ø	5.5 mm
Outer Ø	0.217 inch
Weight	29 Lbs/Mft
Cu-Index	1.78 kg/100 m
Cu-Index	12 Lbs/Mft

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#### Construction Element 1

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Element construction	2xAWG18
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire Class K
Conductor marking	black • with white number print
Conductor insulation	PP

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#### Technical data

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Rated voltage U <sub>N</sub>	1000 V 90C UL AWM 20886
Temperature according to UL	90 °C
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	4×D

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#### Technical Data Element 1

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Element construction	2xAWG18
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#### Certifications/Standards

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Certifications	21 CFR 175.300 NFPA 79, Artikel 12.9
UL style	AWM 20886
Conformity	CE RoHS REACH TSCA
Burning behavior according to	UL 1581 cable flame

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#### General

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