

Technical data sheet

LUTZE SILFLEX® FBP · Unshielded

Flexible Control Cable for Food and Beverage Processing



Identification

Type SI FBP TPE 2×AWG16
Part No. [A6011602](#)

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×AWG16
Number of conductors 2

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

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page 1 of 2



SYSTEMATIC TECHNOLOGY

Technical data sheet

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| | |
|-----------------------|---------------------------|
| Cross-section, metric | 1.5 mm ² |
| Cross-section AWG | AWG 16 |
| Jacket material | Thermoplastic Polymer |
| Jacket color | black similar to RAL 9005 |
| Outer Ø | 6.1 mm |
| Outer Ø | 0.239 inch |
| Weight | 35 Lbs/Mft |
| Cu-Index | 2.38 kg/100 m |
| Cu-Index | 16 Lbs/Mft |

Construction Element 1

| | |
|----------------------|---------------------------------|
| Element construction | 2xAWG16 |
| Conductor | AWG conductor CU-wire bare |
| Conductor category | fine wire Class K |
| Conductor marking | black • with white number print |
| Conductor insulation | PP |

Technical data

| | |
|------------------------------|-------------------------|
| Rated voltage U _N | 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 |

Technical Data Element 1

| | |
|----------------------|---------|
| Element construction | 2xAWG16 |
|----------------------|---------|

Certifications/Standards

| | |
|-------------------------------|---|
| 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 |

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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