

Technical data sheet

LUTZE SILFLEX® FBP · Unshielded

Flexible Control Cable for Food and Beverage Processing



Identification

Type SI FBP TPE 18×AWG20
Part No. [A6012018](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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	18×AWG20
Number of conductors	18

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Cross-section, metric	0.5 mm ²
Cross-section AWG	AWG 20
Jacket material	Thermoplastic Polymer
Jacket color	black similar to RAL 9005
Outer Ø	9.9 mm
Outer Ø	0.391 inch
Weight	110 Lbs/Mft
Cu-Index	8.32 kg/100 m
Cu-Index	56 Lbs/Mft

Construction Element 1

Element construction	18xAWG20
Conductor	AWG conductor CU-wire bare
Conductor category	fine wire Class K
Conductor marking	black • with white number print • green/yellow
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	18xAWG20
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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

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