

# LUTZE SILFLEX® M FBP, Shielded

## Flexible Motor Cable for Food and Beverage Processing



### Application

- Dual-shielded motor supply cable to connect power to 3-phase motors, VFDs and servo drives
- 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
- Thermoset XLPE insulation offers superior electrical values for VFD applications

### Characteristics

- Flame retardant per UL 1581 Cable Flame
- FDA compliance tested per 21 CFR 175.300
- REACH 1907/2006/EC compliant
- RoHS Directive EU 2015/863 compliant
- Phthalate free jacket
- Low capacitance
- High protection against electromagnetic interference (EMI)
- Easy stripping and easy installation
- Easy routing and bending due to flexibility
- Resistant to most oils and fats
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Non-wicking fillers
- Talc and silicone free
- Patent-pending design

### Technical Data

Voltage	1000V 90C UL AWM 20886
Temperature	-40°C - +90°C static
Bending radius	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Burning behavior	Flame retardant per UL 1581 Cable Flame
Approvals	21 CFR 175.300 UL AWM Style 20886 CE, RoHS, REACH NFPA 79 12.9

### Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors for improved electrical characteristics and reduced oxidation
- Thermoset XLPE insulation type XHHW-2, Wet/Dry
- Shielded with foil tape, tinned copper braid with 80% optical coverage, and drain wire
- Industrial grade phthalate free thermoplastic polymer jacket
- Black jacket similar to RAL 9005

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG 18 (19/30)</b>					
<b>A6061804</b>	<b>AWG18/04C</b>	10.5	0.415	108	42
<b>AWG 16 (26/30)</b>					
<b>A6061604</b>	<b>AWG16/04C</b>	10.8	0.425	124	54
<b>AWG 14 (41/30)</b>					
<b>A6061404</b>	<b>AWG14/04C</b>	11.6	0.456	154	76
<b>AWG 12 (65/30)</b>					
<b>A6061204</b>	<b>AWG12/04C</b>	13.0	0.51	208	118
<b>AWG 10 (105/30)</b>					
<b>A6061004</b>	<b>AWG10/04C</b>	16.5	0.650	320	183
<b>AWG 8 (168/30)</b>					
<b>A6060804</b>	<b>AWG8/04C</b>	20.6	0.81	478	279

These cables are flame resistant in accordance with NFPA 79 article 12.9 "Special Cables and Conductors" and meet stringent FDA food contact requirements per 21 CFR 175.300.



Specifications are subject to change without prior notice