

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
AWG 18 (19/30)					
A6061804	AWG18/04C	10.5	0.415	108	42
AWG 16 (26/30)					
A6061604	AWG16/04C	10.8	0.425	124	54
AWG 14 (41/30)					
A6061404	AWG14/04C	11.6	0.456	154	76
AWG 12 (65/30)					
A6061204	AWG12/04C	13.0	0.51	208	118
AWG 10 (105/30)					
A6061004	AWG10/04C	16.5	0.650	320	183
AWG 8 (168/30)					
A6060804	AWG8/04C	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