

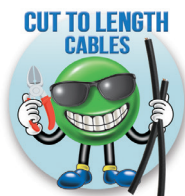


SILFLEX® M FBP Motor Cable for Food & Beverage Applications



Overview

LUTZE® SILFLEX FBP motor cable from AutomationDirect is available with 18 AWG to 10 AWG size shielded conductors. LUTZE SILFLEX® FBP M cables are the ultimate solution to the challenges that today's food and beverage machine builders and processing companies face. All LUTZE SILFLEX® FBP M cables meet both UL and FDA requirements, streamlining inspections and reducing the need for exceptions to 21 CFR. LUTZE's patented food-safe design reduces cabling as a contamination risk. The resistance to commonly used cleaning agents was third-party evaluated by ECOLAB. Reduced cable diameters allow for easy routing and installation in conduit. Cables may be run without conduit in some areas due to the external wiring approval, washdown certification, and food contact rating. Cut to length in 1ft increments with a 20ft minimum length.



Features

- 18 AWG to 10 AWG, including an equal size ground
- REACH 1907/2006/EC compliant
- Safe for food contact per 21 CFR 175.300
- Used in contact and splash zones for food and beverage applications per FDA guidelines
- Flame retardant
- Phthalate-free jacket
- Talc- and silicone-free
- Non-wicking fillers
- Certified by Ecolab for resistance to the most common cleaning agents
- Resistant to oils and fats that are common to food processing
- Reduced diameter design allows for easy routing and installation in conduit
- Flexible stranding makes installation and routing easy
- Easy stripping for fast installation
- Low capacitance insulation for motor cables
- High protection against electromagnetic interferences (EMI)
- Cut to length in 1-foot increments
- Low 20-foot minimum length
- Made in the USA

SILFLEX® FBP M Motor Cable Specifications

Part Number	Nom. Capacitance Conductor to Conductor (pF/ft.)	Nom. Capacitance Conductor to Shield (pF/ft.)	Nom. Conductor DC Resistance @ 20°C (Ohm/1000 ft.)	Nominal Outer Shield DC Resistance @ 20°C (Ohm/1000 ft.)	Impedance (ohms)	Max Operating Voltage
A6061804-1	21.9	38.4	5.7	3.2	90.2	1000V
A6061604-1	23.8	43.3	4.1	3.51	81.6	1000V
A6061404-1	25.7	42.7	2.6	2.61	69.1	1000V
A6061204-1	29	52.5	1.6	2.44	48.6	1000V
A6061004-1	29.2	48.32	1.1	1.23	40.9	1000V



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SILFLEX® FBP M Motor Cable Specifications (Cont'd.)

Conductor Stranding	30AWG tinned copper, Class K	Applicable Standards	FDA 21 CFR 175.300
Voltage Rating	1000V 90°C UL AWM 20886		NFPA 79 12.9 Compliant
			UL 758 - AWM Style 20886
Static Operating Temperature	-40 to 90°C (-40 to 194°F)	Approvals*	URus, CE, RoHs, REACH, TSCA
Jacket Material	TPE	Sample Print Legend	WWW.LUTZE.COM PART# A606XXXX SILFLEX® FBP SHIELDED AWGXX-4C - E197090 cURus AWM 20886 90°C 600V AWM I/II A/B 90°C 1000V CE ROHS PHTHALATE FREE JACKET CE-46 1522 xxxxFT
Conductor Insulation Colors	Black with white numbers and green/ yellow ground		
Shield	Overall foil and braid shielded		
Conductor Insulation	Cross-linked polyethylene (XLPE)		
Conductor Markings	#"1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
UL Temperature Rating	90°C (194°F)		
Min. Bend Radius	6x diameter		
Flame Rating	UL 1581		

* To obtain the most current agency approval information, see Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

SILFLEX® FBP M Motor Cable Specifications (Cont'd)

Part Number	Number of Conductors (includes ground)	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal O.D. (Inches ± 10%)	Minimum Installed Bend Radius (inches)*	Minimum Cut Length (ft)**	Approximate Weight (lb/ft)	Price per foot
A6061804-1	4	18	19	32	50	0.112	0.67	20	0.042	\$6k07:
A6061604-1		16	26			0.123	0.74		0.054	\$6k08:
A6061404-1		14	41			0.138	0.83		0.076	\$6k09:
A6061204-1		12	65			0.160	0.96		0.118	\$6k0a:
A6061004-1		10	105		60	0.194	1.164		0.183	\$6k0b:

* Installed bend radius ≥ 6x diameter

** See web store for maximum cut lengths

