



# SILFLEX® FBP Control Cable for Food & Beverage Applications



## Overview

LUTZE SILFLEX FBP control cable from AutomationDirect is available with 20 AWG to 12 AWG size conductors in shielded or unshielded versions. LUTZE SILFLEX® FBP cables are the ultimate solution to the challenges that today's food and beverage machine builders and processing companies face. All LUTZE SILFLEX® FBP cables meet both UL and FDA requirements, streamlining inspections and reducing the need for exceptions to 21 CFR. LUTZE's patent-pending 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 1-foot increments with a 20-foot minimum length.

## Features

- 20 AWG to 12 AWG, including an equal size ground
- Unshielded or shielded constructions
- Safe for food contact per 21 CFR
- Used in contact and splash zones for food and beverage applications per FDA guidelines
- Phthalate free jacket
- 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
- Low capacitance insulation for control cables
- Compliant with California Proposition 65
- Cut to length in 1-foot increments
- Low 20-foot minimum length
- Made in the USA





# 20 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Unshielded)

20 Gauge SILFLEX® FBP Control Cable Specifications (Unshielded)			
<b>Conductor Gauge &amp; Stranding</b>	20 AWG 10/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer		CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Approvals*</b>	UL (E197090)
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	4x diameter		
<b>Flame Rating</b>	UL 1581		
			<b>Sample Print Legend</b>

\* 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](http://www.AutomationDirect.com)

20 Gauge SILFLEX® FBP Control Cable (Unshielded)											
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	
<a href="#">A6012003-1</a>	3	20	10	13	32	0.203	0.812	20	0.03		
<a href="#">A6012004-1</a>	4					0.219	0.876	20	0.03		
<a href="#">A6012005-1</a>	5					0.237	0.948	20	0.04		
<a href="#">A6012007-1</a>	7					0.255	1.020	20	0.05		
<a href="#">A6012012-1</a>	12					38	0.339	1.356	20	0.08	
<a href="#">A6012018-1</a>	18						0.391	1.564	20	0.11	
<a href="#">A6012025-1</a>	25						0.448	1.792	20	0.14	

\* Installed bend radius ≥ 4x diameter  
 \*\* See web store for maximum cut lengths





# 18 Gauge SILFLEX<sup>®</sup> FBP Food and Beverage Rated Control Cable (Unshielded)

18 Gauge SILFLEX <sup>®</sup> FBP Control Cable Specifications (Unshielded)			
<b>Conductor Gauge &amp; Stranding</b>	18 AWG 16/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals**</b>	CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground		UL (E197090)
<b>Conductor Insulation</b>	Polypropylene	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	4x diameter		
<b>Flame Rating</b>	UL 1581		

18 Gauge SILFLEX <sup>®</sup> FBP Control Cable (Unshielded)										
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
<a href="#">A6011803-1</a>	3	18	16	13	32	0.229	0.916	20	0.04	
<a href="#">A6011804-1</a>	4					0.248	0.992	20	0.05	
<a href="#">A6011805-1</a>	5					0.269	1.076	20	0.06	
<a href="#">A6011807-1</a>	7					0.303	1.212	20	0.08	
<a href="#">A6011809-1</a>	9				0.349	1.396	20	0.10		
<a href="#">A6011812-1</a>	12				38	0.389	1.556	20	0.12	
<a href="#">A6011818-1</a>	18					0.448	1.792	20	0.18	
<a href="#">A6011825-1</a>	25					0.539	2.156	20	0.24	

\*See webstore for maximum cut lengths





# 16 Gauge SILFLEX<sup>®</sup> FBP Food and Beverage Rated Control Cable (Unshielded)

16 Gauge SILFLEX <sup>®</sup> FBP Control Cable Specifications (Unshielded)			
<b>Conductor Gauge &amp; Stranding</b>	16 AWG 26/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer		CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Approvals**</b>	UL (E197090)
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	4x diameter		
<b>Flame Rating</b>	UL 1581		
			<b>Sample Print Legend</b>

16 Gauge SILFLEX <sup>®</sup> FBP Control Cable (Unshielded)										
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
<a href="#">A6011603-1</a>	3	16	26	13	32	0.253	1.012	20	0.05	
<a href="#">A6011604-1</a>	4					0.274	1.096	20	0.06	
<a href="#">A6011605-1</a>	5					0.298	1.192	20	0.07	
<a href="#">A6011607-1</a>	7					0.336	1.344	20	0.1	
<a href="#">A6011612-1</a>	12					0.443	1.772	20	0.16	
<a href="#">A6011618-1</a>	18					0.514	2.056	20	0.22	
<a href="#">A6011625-1</a>	25					0.604	2.416	20	0.31	

\*See webstore for maximum cut lengths



# 14 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Unshielded)

14 Gauge SILFLEX® FBP Control Cable Specifications (Unshielded)			
<b>Conductor Gauge &amp; Stranding</b>	14 AWG 41/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
			UL 758 - AWM Style 20886
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)	<b>Approvals*</b>	UL (E197090)
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Conductor Colors</b>	Black with white numbers and green/ yellow ground		
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	4x diameter		
<b>Flame Rating</b>	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](http://www.AutomationDirect.com)

14 Gauge SILFLEX® FBP Control Cable (Unshielded)										
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
<a href="#">A6011403-1</a>	3	14	41	16	38	0.310	1.240	20	0.07	
<a href="#">A6011404-1</a>	4					0.336	1.344	20	0.09	
<a href="#">A6011405-1</a>	5				42	0.367	1.468	20	0.11	
<a href="#">A6011407-1</a>	7					0.419	1.676	20	0.15	
<a href="#">A6011412-1</a>	12					0.542	2.168	20	0.24	

\* Installed bend radius ≥ 4x diameter  
 \*\* See web store for maximum cut lengths



# 12 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Unshielded)

12 Gauge SILFLEX® FBP Control Cable Specifications (Unshielded)			
<b>Conductor Gauge &amp; Stranding</b>	12 AWG 65/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer		CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Approvals*</b>	UL (E197090)
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	4x diameter		
<b>Flame Rating</b>	UI 1581		
			<b>Sample Print Legend</b>
* To obtain the most current agency approval information, see Agency Approval Checklist section on the specific part number's web page at <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

12 Gauge SILFLEX® FBP Control Cable (Unshielded)										
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
<a href="#">A6011204-1</a>	4	12	65	16	48	0.410	1.640	20	0.14	
<a href="#">A6011205-1</a>	5					0.447	1.788	20	0.17	
* Installed bend radius ≥ 4x diameter										
** See web store for maximum cut lengths										



# 20 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

20 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	20 AWG 10/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals*</b>	UL (E197090)
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground		
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 20 AWG drain	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	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](http://www.AutomationDirect.com)

20 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<a href="#">A6022003-1</a>	3	20	10	13	32	0.233	0.932	20	0.04	
<a href="#">A6022004-1</a>	4					0.248	0.992	20	0.05	
<a href="#">A6022005-1</a>	5					0.266	1.064	20	0.05	
<a href="#">A6022007-1</a>	7				38	0.285	1.14	20	0.06	
<a href="#">A6022012-1</a>	12					0.369	1.476	20	0.1	
<a href="#">A6022018-1</a>	18					0.421	1.684	20	0.13	
<a href="#">A6022025-1</a>	25					0.486	1.944	20	0.17	

\* Installed bend radius ≥ 4x diameter  
 \*\* See web store for maximum cut lengths



# 18 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

18 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	18 AWG 16/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals*</b>	UL (E197090)
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground		
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 20 AWG drain	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	UL 1581		
* To obtain the most current agency approval information, see Agency Approval Checklist section on the specific part number's web page at <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

18 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<a href="#">A6021803-1</a>	3	18	16	13	32	0.259	1.036	20	0.05	
<a href="#">A6021804-1</a>	4					0.289	1.156	20	0.07	
<a href="#">A6021805-1</a>	5					0.310	1.240	20	0.08	
<a href="#">A6021807-1</a>	7				38	0.333	1.332	20	0.10	
<a href="#">A6021812-1</a>	12					0.427	1.708	20	0.15	
<a href="#">A6021818-1</a>	18					0.489	1.956	20	0.20	
<a href="#">A6021825-1</a>	25					0.569	2.276	20	0.27	
* Installed bend radius ≥ 4x diameter										
** See web store for maximum cut lengths										



# 16 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

16 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	16 AWG 26/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886 CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals*</b>	UL (E197090)
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 18 AWG drain		
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	UL 1581		
* To obtain the most current agency approval information, see Agency Approval Checklist section on the specific part number's web page at <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

16 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<a href="#">A6021603-1</a>	3	16	26	13	32	0.282	1.128	20	0.07	
<a href="#">A6021604-1</a>	4					0.316	1.264	20	0.08	
<a href="#">A6021605-1</a>	5					0.340	1.360	20	0.10	
<a href="#">A6021607-1</a>	7					0.366	1.464	20	0.12	
<a href="#">A6021612-1</a>	12					0.472	1.888	20	0.19	
<a href="#">A6021618-1</a>	18					0.556	2.224	20	0.26	
<a href="#">A6021625-1</a>	25					0.639	2.556	20	0.35	
* Installed bend radius ≥ 4x diameter ** See web store for maximum cut lengths										



# 14 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

14 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	14 AWG 41/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals*</b>	CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground		UL (E197090)
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 16 AWG drain	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	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](http://www.AutomationDirect.com)

14 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<a href="#">A6021403-1</a>	3	14	41	16	38	0.348	1.392	20	0.10	
<a href="#">A6021404-1</a>	4					0.374	1.496	20	0.12	
<a href="#">A6021405-1</a>	5					0.405	1.620	20	0.14	
<a href="#">A6021407-1</a>	7				42	0.449	1.796	20	0.18	
<a href="#">A6021412-1</a>	12					0.572	2.288	20	0.28	

\* Installed bend radius ≥ 4x diameter  
\*\* See web store for maximum cut lengths



# 12 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

12 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	12 AWG /30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer	<b>Approvals*</b>	UL (E197090)
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Sample Print Legend</b>	WWW.LUTZE.COM PART# XXXXXXXX Silflex FBP E197090 cRUus AWM 90C 1000V AMW I/II A/B 90C 1000V FT1 CE ROHS PHTHALATE FREE JACKET CE-46 2027 MADE IN USA XXXXXX FT
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 14 AWG drain		
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	UL 1581		
* To obtain the most current agency approval information, see Agency Approval Checklist section on the specific part number's web page at <a href="http://www.AutomationDirect.com">www.AutomationDirect.com</a>			

12 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<b>A6021204-1</b>	4	12	65	16	48	0.439	1.756	20	0.17	
<b>A6021205-1</b>	5					0.476	1.904	20	0.20	
* Installed bend radius ≥ 4x diameter										
** See web store for maximum cut lengths										



# 10 Gauge SILFLEX® FBP Food and Beverage Rated Control Cable (Shielded)

10 Gauge SILFLEX® FBP Control Cable Specifications (Shielded)			
<b>Conductor Gauge &amp; Stranding</b>	10 AWG 105/30 bare copper, Class K	<b>Applicable Standards</b>	FDA 21 CFR 175.300
<b>Voltage Rating</b>	1000V 90C UL AWM 20886		NFPA 79 12.9 Compliant
<b>Static Operating Temperature</b>	-40°C to +90°C (-40°F to +194°F)		UL 758 - AWM Style 20886
<b>Jacket Material</b>	Black Phthalate free proprietary thermoplastic polymer		CSA C22.2 No. 210 - CSA AWM I/II A/B
<b>Conductor Colors</b>	Black with white numbers and green/yellow ground	<b>Approvals*</b>	UL (E197090)
<b>Shield</b>	Overall aluminized polyester foil shield 100% coverage & tinned copper braid 75% coverage with 12 AWG drain		
<b>Conductor Insulation</b>	Polypropylene		
<b>Conductor Markings</b>	#1-ONE", "2-TWO", "3-THREE", etc... @ 4.5 inch intervals, ICEA Method 4		
<b>UL Temperature Rating</b>	90°C (194°F)		
<b>Min. Bend Radius</b>	6x diameter		
<b>Flame Rating</b>	UL 1581		
			<b>Sample Print Legend</b>

\* 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](http://www.AutomationDirect.com)

10 Gauge SILFLEX® FBP Control Cable (Shielded)										
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
<a href="#">A6021004-1</a>	4	10	105	16	48	0.54	2.16	20	0.38	
* Installed bend radius ≥ 4x diameter										
** See web store for maximum cut lengths										