Control and Signal Cable

SYSTEMATIC TECHNOLOGY





LUTZE multi-conductor industrial grade PLTC electronic cables are suited for use in machine tools, machine and plant construction, HVAC technology, assembly and production lines, process instrumentation, and controls. LUTZE's electronic cables are designed for 300V and 105°C maximum ambient temperature. ECOLAB certified resistance allows this cable to be used in food and beverage washdown procedures.

Features

- 22AWG to 16AWG, 3 to 25 conductors
- · Shielded and unshielded constructions
- UL Appliance Wiring Material (AWM) style 2464
- Color-coded Polyvinyl Chloride (PVC) conductor insulation
- · Oil-resistant Polyvinyl Chloride (PVC) jacket
- · Sunlight resistant
- Gas/vapor-tight shield per UL 13
- ECOLAB certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures.
- Talc and silicone free
- Cut to length in 1-foot increments
- · Low 20-foot minimum length
- · Made in the USA

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ROHS ECOLAB

22	22AWG Cable Conductor Color Code										
Conductor Number	Primary Color	Conductor Number	Primary Color								
1	Black	14	White/Orange								
2	Brown	15	White/Yellow								
3	Red	16	White/Green								
4	Orange	17	White/Blue								
5	Yellow	18	White/Violet								
6	Green	19	White/Gray								
7	Blue	20	White/Black/Brown								
8	Violet	21	White/Black/Red								
9	Gray	22	White/Black/Orange								
10	White	23	White/Black/Yellow								
11	White/Black	24	White/Black/Green								
12	White/Brown	25	White/Black/Blue								
13	White/Red										

MONDAY	MINUTE
	To Length Wire

Click on the above thumbnail or go to https://www.automationdirect.com/VID-WD-0016 for a short introduction on our cut to length cable

20 , 18, a	20, 18, and 16AWG Cable Conductor Color Code										
Conductor Number	Primary Color	Conductor Number	Primary Color								
1	Black	14	Red/Yellow								
2	Red	15	Red/Black								
3	White	16	White/Black								
4	Green	17	White/Red								
5	Orange	18	White/Green								
6	Blue	19	White/Yellow								
7	Brown	20	White/Blue								
8	Yellow	21	White/Brown								
9	Violet	22	White/Orange								
10	Gray	23	White/Gray								
11	Pink	24	White/Violet								
12	Tan	25	White/Black/Red								
13	Red/Green										







	22AWG Control and S	ignal Cable Spec	ifications (Unshielded)
Conductor Gauge & Stranding	22 AWG, 19-stranded, tinned copper		(UL) Type PLTC
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464
Voltage Rating	300V		AWM I/II A/B
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)		
Temperature Rating	105 deg C		cULus E331083 CSA LL44103
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA
Flexibility	Flexible		
Shielding	Unshielded		
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A303XXXX LUTZE ELECTRONIC AWGXX-XXC
Outdoor Rated	No	Sample Print Legend	(UL) TYPE PLTC 105C OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B 105C 300V FT4 CE ROHS CE-45
Oil Resistance	Oil Res II		1044 XXXXFT
Flame Retardant	UL VW-1, FT4		

Note: See web store for maximum cut lengths

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	22AWG Control and Signal Cable (Unshielded)										
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (Ib/ft)	Price per Foot	
	_	-		LOT	ZE ELECTRONIC						
<u>A3032203-1</u>	3					0.181	0.72		0.02	\$0.79	
<u>A3032204-1</u>	4				37	0.194	0.78		0.03	\$0.88	
<u>A3032208-1</u>	8	22	19	10		0.243	0.97	20	0.04	\$1.39	
<u>A3032215-1</u>	15				42	0.318	1.27		0.07	\$2.24	
A3032225-1	25				52	0.407	1.63		0.12	\$3.53	







	20AWG Control and S	ignal Cable Spec	ifications (Unshielded)
Conductor Gauge & Stranding	20 AWG, 19-stranded, tinned copper		(UL) Type PLTC
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464
Voltage Rating	300V		AWM I/II A/B
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)		
Temperature Rating	105 deg C		cULus E331083 CSA LL44103
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA
Flexibility	Flexible		
Shielding	Unshielded		
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A303XXXX LUTZE ELECTRONIC AWGXX-XXC
Outdoor Rated	No	Sample Print Legend	(UL) TYPE PLTC 105C OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B 105C 300V FT4 CE ROHS CE-45
Oil Resistance	Oil Res II		1044 XXXXFT
Flame Retardant	UL VW-1, FT4		

Note: See web store for maximum cut lengths

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	20AWG Control and Signal Cable (Unshielded)									
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (lb/ft)	Price per Foot
				LOT	ZE ELECTRONIC					
<u>A3032003-1</u>	3				0.7	0.204	0.82		0.03	\$0.85
<u>A3032004-1</u>	4				37	0.220	0.88		0.03	\$1.02
<u>A3032008-1</u>	8	20	19	10	40	0.282	1.13	20	0.06	\$1.90
<u>A3032015-1</u>	15				42	0.364	1.46		0.10	\$3.17
<u>A3032025-1</u>	25				52	0.461	1.84		0.16	\$4.97







	18AWG Control and S	ignal Cable Spec	ifications (Unshielded)
Conductor Gauge & Stranding	18 AWG, 19-stranded, tinned copper		(UL) Type PLTC
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464
Voltage Rating	300V		AWM I/II A/B
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)		
Temperature Rating	105 deg C		cULus E331083 CSA LL44103
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA
Flexibility	Flexible		
Shielding	Unshielded		
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A303XXXX LUTZE ELECTRONIC AWGXX-XXC
Outdoor Rated	No	Sample Print Legend	(UL) TYPE PLTC 105C OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B 105C 300V FT4 CE ROHS CE-45
Oil Resistance	Oil Res II		1044 XXXXFT
Flame Retardant	UL VW-1, FT4		

Note: See web store for maximum cut lengths

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	18AWG Control and Signal Cable (Unshielded)										
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (Ib/ft)	Price per Foot	
				L01	ZE ELECTRONIC						
<u>A3031803-1</u>	3				0.7	0.223	0.89		0.04	\$1.30	
<u>A3031804-1</u>	4				37	0.242	0.97		0.04	\$1.58	
<u>A3031808-1</u>	8	18	19	10	42	0.312	1.25	20	0.08	\$2.70	
<u>A3031815-1</u>	15				53	0.427	1.71		0.14	\$4.86	
<u>A3031825-1</u>	25				52	0.515	2.06		0.23	\$7.49	







	16AWG Control and S	ignal Cable Spec	ifications (Unshielded)
Conductor Gauge & Stranding	16 AVWG, 26-stranded, tinned copper		(UL) Type PLTC
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464
Voltage Rating	300V		AWM I/II A/B
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)		
Temperature Rating	105 deg C		cULus E331083 CSA LL44103
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA
Flexibility	Flexible		
Shielding	Unshielded		
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A303XXXX LUTZE ELECTRONIC AWGXX-XXC
Outdoor Rated	No	Sample Print Legend	(UL) TYPE PLTC 105C OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B 105C 300V FT4 CE ROHS CE-45
Oil Resistance	Oil Res II		1044 XXXXFT
Flame Retardant	UL VW-1, FT4		

Note: See web store for maximum cut lengths

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	16AWG Control and Signal Cable (Unshielded)									
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (Ib/ft)	Price per Foot
	_	-		L01	ZE ELECTRONIC					
<u>A3031603-1</u>	3				37	0.271	1.08		0.05	\$1.29
<u>A3031604-1</u>	4				42	0.304	1.22		0.06	\$1.75
<u>A3031608-1</u>	8	16	26	16		0.407	1.63	20	0.12	\$3.21
<u>A3031615-1</u>	15				53	0.532	2.13		0.21	\$5.40
<u>A3031625-1</u>	25					0.669	2.68		0.34	\$8.88







	22AWG Control and	Signal Cable Spe	cifications (Shielded)
Conductor Gauge & Stranding	22 AWG, 19-stranded, tinned copper		(UL) Type PLTC
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464
Voltage Rating	300V		AWM I/II A/B
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)		
Temperature Rating	105 deg C		cULus E331083 CSA LL44103
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA
Flexibility	Flexible		
Shielding	Shielded with foil tape, tinned copper braid, and drain wire		
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A313XXXXX LUTZE ELECTRONIC (C) Y
Outdoor Rated	No	Sample Print Legend	AWGXX-XXC SHIELDED (UL) TYPE PLTC 105C SUN RES OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B
Oil Resistance	Oil Res II		105C 300V FT4 CE ROHS CE-45 1351 XXXXXFT
Flame Retardant	UL VW-1, FT4		

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	22AWG Control and Signal Cable (Shielded)										
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (Ib/ft)	Price per Foot	
	_			L07	ZE ELECTRONIC (C)	PVC			_		
<u>A3132203-1</u>	3					0.205	0.82		0.03	\$1.17	
<u>A3132204-1</u>	4				37	0.218	0.87		0.04	\$1.31	
<u>A3132208-1</u>	8	22	19	10		0.263	1.05	20	0.06	\$1.86	
<u>A3132215-1</u>	15				40	0.338	1.35		0.09	\$3.15	
<u>A3132225-1</u>	25				50	0.423	1.69		0.14	\$4.37	







	20AWG Control and Signal Cable Specifications (Shielded)									
Conductor Gauge & Stranding	20 AWG, 19-stranded, tinned copper		(UL) Type PLTC							
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464							
Voltage Rating	300V		AWM I/II A/B							
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)									
Temperature Rating	105 deg C	Approvals*	cULus E331083 CSA LL44103							
Jacket Material	PVC		CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and							
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA							
Flexibility	Flexible									
Shielding	Shielded with foil tape, tinned copper braid, and drain wire									
Sunlight Resistance	Yes		WWW.LUTZE.COM Part# A313XXXX LUTZE ELECTRONIC (C) Y							
Outdoor Rated	ed No		AWGXX-XXC SHIELDED (UL) TYPE PLTC 105C SUN RES OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B							
Oil Resistance	Oil Res II		105C 300V FT4 CE ROHS CE-45 1351 XXXXXFT							
Flame Retardant	UL VW-1, FT4									

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	20AWG Control and Signal Cable (Shielded)										
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (Ib/ft)	Price per Foot	
LOTZE ELECTRONIE (C)PVC											
	-20			LUI	ZE ELECTRONIC (C)	PVC W					
<u>A3132003-1</u>	3				40	0.230	0.92		0.04	\$1.42	
<u>A3132004-1</u>	4				40	0.246	0.98		0.05	\$1.61	
<u>A3132008-1</u>	8	20	19	10	42	0.302	1.21	20	0.08	\$2.53	
<u>A3132015-1</u>	15				50	0.404	1.62		0.13	\$4.19	
<u>A3132025-1</u>	25				52	0.481	1.92		0.19	\$6.16	







	18AWG Control and Signal Cable Specifications (Shielded)									
Conductor Gauge & Stranding	18 AWG, 19-stranded, tinned copper		(UL) Type PLTC							
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464							
Voltage Rating	300V		AWM I/II A/B							
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)									
Temperature Rating	105 deg C		cULus E331083 CSA LL44103							
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and							
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA							
Flexibility	Flexible									
Shielding	Shielded with foil tape, tinned copper braid, and drain wire									
Sunlight Resistance	nt Resistance Yes		WWW.LUTZE.COM Part# A313XXXX LUTZE ELECTRONIC (C) Y							
Outdoor Rated			AWGXX-XXC SHIELDED (UL) TYPE PLTC 105C SUN RES OR ĆM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B							
Oil Resistance	Oil Res II		105C 300V FT4 CE ROHS CE-45 1351 XXXXXFT							
Flame Retardant	UL VW-1, FT4									

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			18A\	NG Cont	rol and Siç	jnal Cable (Shielded)			
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (lb/ft)	Price per Foot
				L07	ZE ELECTRONIC (C)	PVC				
<u>A3131803-1</u>	3				37	0.243	0.97		0.05	\$2.03
<u>A3131804-1</u>	4				37	0.262	1.05		0.06	\$2.26
<u>A3131808-1</u>	8	18	19	10	42	0.332	1.33	20	0.10	\$3.45
<u>A3131815-1</u>	15				50	0.447	1.79		0.18	\$5.82
<u>A3131825-1</u>	25				52	0.535	2.14		0.26	\$8.87







	16AWG Control and	Signal Cable Spe	cifications (Shielded)			
Conductor Gauge & Stranding	16 AWG, 26-stranded, tinned copper		(UL) Type PLTC			
Conductor Markings**	Color-coded conductors	UL Classification	(UL) Type CM AWM Style 2464			
Voltage Rating	300V		AWM I/II A/B			
Operating Temperature	-40 to 105 deg C (-40 to 221 deg F)					
Temperature Rating	105 deg C		cULus E331083 CSA LL44103			
Jacket Material	PVC	Approvals*	CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and			
Jacket Color	Gray		Class I Zone 2 per NEC 501, 502, and 505 (PLTC use only) RoHS, REACH, TSCA			
Flexibility	Flexible					
Shielding	Shielded with foil tape, tinned copper braid, and drain wire					
Sunlight Resistance	,		WWW.LUTZE.COM Part# A313XXXX LUTZE ELECTRONIC (C) Y			
Outdoor Rated	No	Sample Print Legend	AWGXX-XXC SHIELDED (UL) TYPE PLTC 105C SUN RES OR CM OR AWM 2464 80C 300V E331083 LL41103 CSA CMG OR AWM I/II A/B			
Oil Resistance	Oil Res II		105C 300V FT4 CE ROHS CE-45 1351 XXXXXFT			
Flame Retardant	UL VW-1, FT4					

Note: See web store for maximum cut lengths

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			16A\	NG Cont	rol and Sig	jnal Cable (Shielded)						
Part Number	Number of Conductors	AWG	Strand	Overall Conductor Insulation Thickness (Mils)	Overall Jacket Thickness (Mils)	Nominal OD (in +/- 10%))	Minimum Installed Bend Radius (in)	Minimum Cut Length (ft)	Approximate Weight (lb/ft)	Price per Foot			
				L01	ZE ELECTRONIC (C)	PVC SSS =							
<u>A3131603-1</u>	3				40	0.302	1.21		0.07	\$2.02			
<u>A3131604-1</u>	4							42	0.325	1.3		0.08	\$2.31
<u>A3131608-1</u>	8	16	26	16	50	0.428	1.71	20	0.14	\$3.76			
<u>A3131615-1</u>	15				53	0.553	2.21		0.24	\$6.68			
<u>A3131625-1</u>	25				63	0.690	2.76		0.37	\$10.57			



