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

ROHS ECOLAB

22	AWG Cable C	onductor	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		

'n	25	White/Black/Blue
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9	0.01 / 5.7	C IO COLUMN TANKS

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	ind 16AWG Ca	able Cond	luctor 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		







Control and Signal Cable SYSTEMATIC TECHNOLOGY CONTROL OF THE PROPERTY OF TH (Unshielded)

	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

^{*} To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com** Color code located in table on overview page of this section

			22AW	G Contro	ol and Sigr	nal Cable (U	nshielded)			
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
				LÜT	ZE ELECTRONIC					
<u>A3032203-1</u>	3					0.181	0.72		0.02	\$;67td:
<u>A3032204-1</u>	4				37	0.194	0.78		0.03	\$;67te:
<u>A3032208-1</u>	8	22	19	10		0.243	0.97	20	0.04	\$;;67tf:
<u>A3032215-1</u>	15				42	0.318	1.27		0.07	\$;67tg:
A3032225-1	25				52	0.407	1.63		0.12	\$;67th:







Control and Signal Cable (Unshielded)

	20AWG Control and Si	ignal Cable Spec	ifications (Unshielded)		
Conductor Gauge & Stranding	16 AWG20 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 (Ib/ft)	Price per Foot
				LÜT	ZE ELECTRONIC					
<u>A3032003-1</u>	3				07	0.204	0.82		0.03	\$;-67ti:
<u>A3032004-1</u>	4				37	0.220	0.88		0.03	\$;67tp:
<u>A3032008-1</u>	8	20	19	10	40	0.282	1.13	20	0.06	\$;67tx:
<u>A3032015-1</u>	15				42	0.364	1.46		0.10	\$;67t#:
<u>A3032025-1</u>	25				52	0.461	1.84		0.16	\$67u2:







Control and Signal Cable SYSTEMATIC TECHNOLOGY CONTROL OF THE PROPERTY OF TH (Unshielded)

	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				

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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
				LÜT	ZE ELECTRONIC					
<u>A3031803-1</u>	3				07	0.223	0.89		0.04	\$;-67tj:
<u>A3031804-1</u>	4				37	0.242	0.97		0.04	\$;67tk:
<u>A3031808-1</u>	8	18	19	10	42	0.312	1.25	20	0.08	\$;-67tl:
<u>A3031815-1</u>	15				53	0.427	1.71		0.14	\$;67tn:
<u>A3031825-1</u>	25				52	0.515	2.06		0.23	\$;67to:







Control and Signal Cable (Unshielded)

	16AWG Control and Si	ignal Cable Spec	ifications (Unshielded)		
Conductor Gauge & Stranding	16 AWG 22 AWG16 AWG16 AWG26- 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				

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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
		-		LÜT	ZE ELECTRONIC					
<u>A3031603-1</u>	3				37	0.271	1.08		0.05	\$;67tq:
<u>A3031604-1</u>	4				42	0.304	1.22		0.06	\$;67ts:
<u>A3031608-1</u>	8	16	26	16		0.407	1.63	20	0.12	\$;;67tt:
<u>A3031615-1</u>	15				53	0.532	2.13		0.21	\$;67tu:
<u>A3031625-1</u>	25					0.669	2.68		0.34	\$;67tv:







	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# 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		

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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	
									_		
				LÜT	ZE ELECTRONIC (C)	PVC			_		
<u>A3132203-1</u>	3					0.205	0.82		0.03	\$;67ty:	
<u>A3132204-1</u>	4				37	0.218	0.87		0.04	\$;67tz:	
<u>A3132208-1</u>	8	22	19	10		0.263	1.05	20	0.06	\$;;67t]:	
<u>A3132215-1</u>	15				40	0.338	1.35		0.09	\$;;67t[:	
<u>A3132225-1</u>	25				50	0.423	1.69		0.14	\$;67t_:	







	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		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# 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								

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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								
				LOT	ZE ELECTRONIC (C)	PVC -												
<u>A3132003-1</u>	3				40	0.230	0.92		0.04	\$;;67t!:								
<u>A3132004-1</u>	4												40	0.246	0.98		0.05	\$;67t?:
<u>A3132008-1</u>	8	20	19	10	42	0.302	1.21	20	0.08	\$;;67t,:								
<u>A3132015-1</u>	15				50	0.404	1.62		0.13	\$67u0:								
<u>A3132025-1</u>	25				52	0.481	1.92		0.19	\$67u1:								







	18AWG Control and	Signal Cable Spe	cifications (Shielded)			
Conductor Gauge & Stranding	22 AWG18 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	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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	18AWG 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								
				LOT	ZE ELECTRONIC (C)	PVC -												
<u>A3131803-1</u>	3				0.7	0.243	0.97		0.05	\$67u3:								
<u>A3131804-1</u>	4												37	0.262	1.05		0.06	\$67u4:
<u>A3131808-1</u>	8	18	19	10	42	0.332	1.33	20	0.10	\$67u5:								
<u>A3131815-1</u>	15				50	0.447	1.79		0.18	\$67u6:								
<u>A3131825-1</u>	25				52	0.535	2.14		0.26	\$67u7:								







	16AWG Control and Signal Cable Specifications (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	Yes		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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	16AWG 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	
				LÜT	ZE ELECTRONIC (C)	PVC					
<u>A3131603-1</u>	3				42	0.302	1.21		0.07	\$67u8:	
<u>A3131604-1</u>	4				42	0.325	1.3		0.08	\$67u9:	
<u>A3131608-1</u>	8	16	26	16	50	0.428	1.71	20	0.14	\$67ua:	
<u>A3131615-1</u>	15				53	0.553	2.21		0.24	\$67ub:	
<u>A3131625-1</u>	25				63	0.690	2.76		0.37	\$67uc:	



