



# Primeline

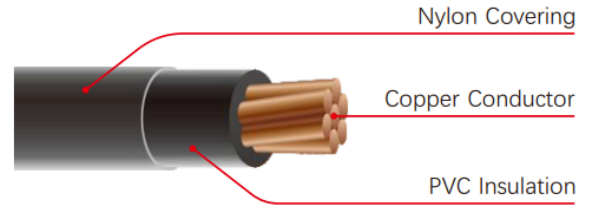
ELECTRIC SUPPLY

**Prime Line Electric Supply Inc.**

Email: [sales@primelines.ca](mailto:sales@primelines.ca)

Website: [www.primelines.ca](http://www.primelines.ca)

Specification	Description
Standard Compliance	CSA C22.2 No.75
UL Listing	UL83
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT1
Oil Resistance	PR II



## CONSTRUCTION

<b>Conductor</b>	Annealed solid or stranded, soft copper
<b>Insulation</b>	Heat and moisture resistant Polyvinyl Chloride (PVC) and Nylon. Maximum conductor temperature 90°C. Minimum installation temperature -10°C.
<b>Options</b>	Standard colors include black, white, red, blue, and green; additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Cable Diameter		Jacket Thickness		Net Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	inches	mm	lb/Mft	kg/km
12001401001	14	1	0.015	0.38	0.102	2.59	0.004	0.10	15	23
12001201001	12	1	0.015	0.38	0.119	3.02	0.004	0.10	23	34
12001001001	10	1	0.020	0.51	0.150	3.81	0.004	0.10	37	55
12001419001	14	19	0.015	0.38	0.109	2.77	0.004	0.10	15	23
12001219001	12	19	0.015	0.38	0.128	3.25	0.004	0.10	24	36
12001019001	10	19	0.020	0.51	0.161	4.09	0.004	0.10	38	57
12000819001	8	19	0.030	0.76	0.213	5.41	0.005	0.13	63	93
12000619001	6	19	0.030	0.76	0.249	6.32	0.005	0.13	95	141
12000419001	4	19	0.040	1.02	0.318	8.08	0.006	0.15	152	227
12000319001	3	19	0.040	1.02	0.346	8.79	0.006	0.15	189	281
12000219001	2	19	0.040	1.02	0.378	9.60	0.006	0.15	234	349
12000119001	1	19	0.050	1.27	0.435	11.00	0.007	0.18	299	446
12010019001	1/0	19	0.050	1.27	0.474	12.00	0.007	0.18	372	553
12020019001	2/0	19	0.050	1.27	0.518	13.20	0.007	0.18	462	687
12030019001	3/0	19	0.050	1.27	0.568	14.40	0.007	0.18	575	856
12040019001	4/0	19	0.050	1.27	0.624	15.80	0.007	0.18	718	1068

Part Number	Conductor		Insulation Thickness		Cable Diameter		Jacket Thickness		Net Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	inches	mm	lb/Mft	kg/km
12250037001	250	37	0.060	1.52	0.694	17.60	0.008	0.20	851	1266
12300037001	300	37	0.060	1.52	0.747	18.90	0.008	0.20	1012	1506
12350037001	350	37	0.060	1.52	0.797	20.20	0.008	0.20	1174	1747
12400037001	400	37	0.060	1.52	0.842	21.40	0.008	0.20	1334	1985
12500037001	500	37	0.060	1.52	0.926	23.50	0.008	0.20	1655	2462
12600061001	600	61	0.070	1.78	1.024	26.00	0.009	0.23	1987	2957
12750061001	750	61	0.070	1.78	1.126	28.60	0.009	0.23	2464	3667
12100061001	1000	61	0.070	1.78	1.275	32.40	0.009	0.23	3257	4847

NOTE: Dimensions and weights are nominal and subject to change without notice.

For sizes or assemblies not listed in the table, please contact our sales team at: 1-780-757-6888 or [sales@primelines.ca](mailto:sales@primelines.ca)

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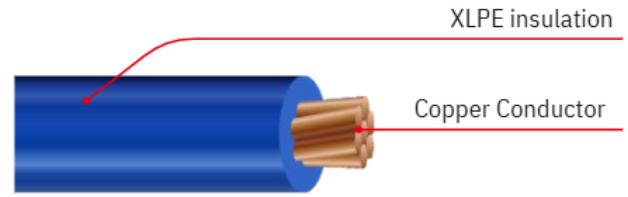
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Website: [www.primelines.ca](http://www.primelines.ca)

Address: 8747 53Ave NW,  
Edmonton, AB, T6E 5E9

Office: 1-780-757-6888

Specification	Description
Standard Compliance	CSA C22.2 No.38 CSA C22.2 No.2556
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistance	Yes



## CONSTRUCTION

<b>Conductor</b>	Annealed solid or stranded, soft copper
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE), Type RW90 Installation: -40°C (-40°F) minimum (with proper handling) Operation: 90°C (194°F) maximum conductor temperature
<b>Options</b>	Standard colors include black, white, red, blue, and green; additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Nominal O.D.		Approx Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	lb/Mft	kg/km
07001401001	14	1	0.030	0.76	0.124	3.15	16	23
07001201001	12	1	0.030	0.76	0.141	3.58	24	36
07001001001	10	1	0.030	0.76	0.162	4.11	36	54
07001407001	14	7	0.030	0.76	0.131	3.33	16	23
07001207001	12	7	0.030	0.76	0.148	3.76	25	38
07001007001	10	7	0.030	0.76	0.173	4.39	38	57
07000807001	8	7	0.045	1.14	0.235	5.97	62	93
07000607001	6	7	0.045	1.14	0.271	6.88	93	139
07000407001	4	7	0.045	1.14	0.318	8.08	147	219
07000307001	3	7	0.045	1.14	0.345	8.76	184	274
07000207001	2	7	0.045	1.14	0.376	9.55	224	334
07000119001	1	19	0.055	1.40	0.435	11.05	288	429
07001019001	1/0	19	0.055	1.40	0.475	12.07	361	538
07002019001	2/0	19	0.055	1.40	0.518	13.16	447	665
07003019001	3/0	19	0.055	1.40	0.567	14.40	553	823
07004019001	4/0	19	0.055	1.40	0.623	15.82	686	1021

Part Number	Conductor		Insulation Thickness		Nominal O.D.		Approx Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	lb/Mft	kg/km
07025037001	250	37	0.065	1.65	0.691	17.55	836	1244
07030037001	300	37	0.065	1.65	0.744	18.90	986	1467
07035037001	350	37	0.065	1.65	0.794	20.17	1140	1696
07040037001	400	37	0.065	1.65	0.839	21.31	1303	1939
07050037001	500	37	0.065	1.65	0.943	23.95	1621	2412
07060037001	600	61	0.080	2.03	1.053	26.75	1950	2901
07075037001	750	61	0.080	2.03	1.158	29.40	2453	3650
07100037001	1000	61	0.080	2.03	1.312	33.32	3211	4778

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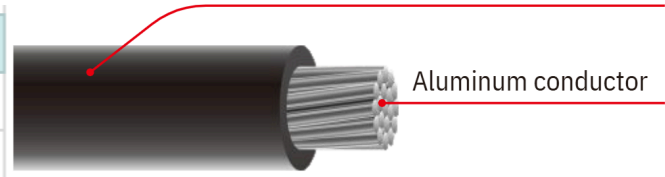
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# Aluminum Building Wire

## RW90 XLPE Cable 600V

XLPE insulation

Specification	Description
Standard Compliance	CSA C22.2 No.38 CSA C22.2 No.2556
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistance	Yes



## CONSTRUCTION

<b>Conductor</b>	8000 Series ACM Aluminum, Class B stranded.
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE), Type RW90 Installation: -40°C (-40°F) minimum (with proper handling) Operation: 90°C (194°F) maximum conductor temperature
<b>Options</b>	Standard black; additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Nominal O.D.		Approx Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	lb/Mft	kg/km
17000607001	6	7	0.045	1.14	0.259	6.58	38	57
17000407001	4	7	0.045	1.14	0.303	7.70	56	84
17000207001	2	7	0.045	1.14	0.358	9.09	84	124
17000119001	1	19	0.055	1.40	0.409	10.39	107	160
17001019001	1/0	19	0.055	1.40	0.446	11.33	131	195
17002019001	2/0	19	0.055	1.40	0.486	12.34	160	238
17003019001	3/0	19	0.055	1.40	0.533	13.54	198	295
17004019001	4/0	19	0.055	1.40	0.585	14.86	245	364
17025037001	250	37	0.065	1.65	0.650	16.51	291	434
17030037001	300	37	0.065	1.65	0.703	17.86	345	513
17035037001	350	37	0.065	1.65	0.749	19.03	397	590
17040037001	400	37	0.065	1.65	0.792	20.12	449	667
17050037001	500	37	0.065	1.65	0.869	22.07	551	820
17060061001	600	61	0.080	2.03	0.976	24.79	671	999
17075061001	750	61	0.080	2.03	1.071	27.20	823	1225
17100061001	1000	61	0.080	2.03	1.223	31.06	1078	1604

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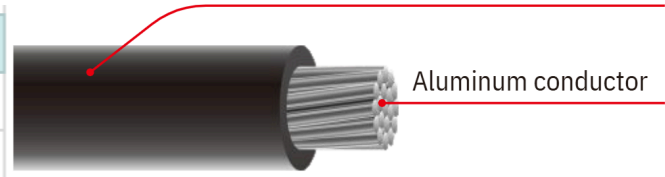
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XLPE insulation

Specification	Description
Standard Compliance	CSA C22.2 No.38 CSA C22.2 No.2556
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistance	Yes



Aluminum conductor



## CONSTRUCTION

<b>Conductor</b>	8000 Series ACM Aluminum, Class B stranded.
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE), Type RW90
	Installation: -40°C (-40°F) minimum (with proper handling)
	Operation: 90°C (194°F) maximum conductor temperature
<b>Options</b>	Standard black, red, green; additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Nominal O.D.		Approx Weight	
	Size (AWG or KCMIL)	# of Strands	inches	mm	inches	mm	lb/Mft	kg/km
27000607001	6	7	0.080	2.03	0.33	8.40	51	75
27000407001	4	7	0.080	2.03	0.38	9.60	70	104
27000307001	3	7	0.080	2.03	0.40	10.20	85	126
27000207001	2	7	0.080	2.03	0.43	10.90	100	149
27000107001	1	7	0.095	2.41	0.49	12.40	127	189
27001019001	1/0	19	0.095	2.41	0.53	13.50	153	228
27002019001	2/0	19	0.095	2.41	0.57	14.50	184	24
27003019001	3/0	19	0.095	2.41	0.62	15.70	222	330
27004019001	4/0	19	0.095	2.41	0.66	16.90	271	403
27025037001	250	37	0.110	2.79	0.77	19.60	312	464
27030037001	300	37	0.110	2.79	0.79	20.10	366	545
27035037001	350	37	0.110	2.79	0.84	21.30	417	621
27040037001	400	37	0.110	2.79	0.89	22.60	495	737
27050037001	500	37	0.110	2.79	0.96	24.40	594	884
27060061001	600	61	0.125	3.17	1.06	26.90	701	1043
27075061001	750	61	0.125	3.17	1.16	29.50	836	1244
27100061001	1000	61	0.125	3.17	1.32	33.50	1142	1699

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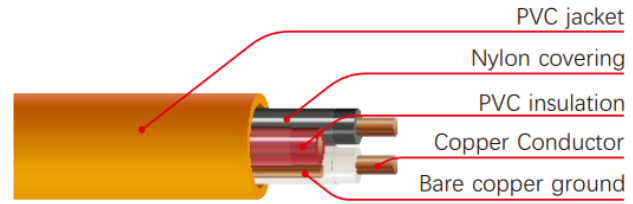
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Specification	Description
Standard Compliance	CSA C22.2 No.48
	CSA C22.2 No.75
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT1



### CONSTRUCTION

<b>Bonding Conductor (Ground)</b>	One(1) bare solid or stranded copper conductor
<b>Insulation</b>	Polyvinyl Chloride (PVC) with Nylon covering (Type T90)
<b>Jacket</b>	Polyvinyl Chloride (PVC) Maximum conductor temperature 90°C.
	Minimum handling temperature - 25°C for 2 conductor cables and -10°C for 3 conductor cables
<b>Options</b>	Insulation - Black, White or Red
	Jacket - White, Blue, Red, Orange;
	additional colors available upon request.

Part Number	Size (AWG or KCMIL)	Conductor		Insulation Thickness		Approximate Diameter		Net Weight	
		Conductor	Ground Wire	inches	mm	inches	mm	lb/Mft	kg/km
1001402001	14	2	14(1)	0.03	0.76	0.38×0.19	9.80×4.80	66	97
1001202001	12	2	14(1)	0.03	0.76	0.42×0.21	10.50×5.30	84	124
1001002001	10	2	12(1)	0.03	0.76	0.48×0.23	12.20×5.80	120	178
1000802001	8	2	10(1)	0.045	1.14	0.63×0.31	16.15×7.92	208	310
1000602001	6	2	8(7)	0.045	1.14	0.79×0.37	20.12×9.40	315	468
1001403001	14	3	14(1)	0.03	0.76	0.345	8.77	84	124
1001203001	12	3	14(1)	0.03	0.76	0.381	9.69	114	169
1001003001	10	3	12(1)	0.03	0.76	0.427	10.85	163	242
1000803001	8	3	10(1)	0.045	1.14	0.570	14.47	275	408
1000603001	6	3	8(7)	0.045	1.14	0.695	17.65	421	627
1000303001	3	3	6(7)	0.045	1.14	0.925	23.48	775	1150
1000203001	2	3	6(7)	0.045	1.14	0.990	25	920	1370

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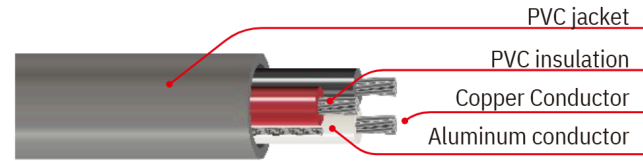
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Edmonton, AB, T6E 5E9

Office: 1-780-757-6888

# Aluminum Building Wire

## NMD90 AL Cable 300V

Specification	Description
Standard Compliance	CSA C22.2 No.48
	CSA C22.2 No.75
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT1



## CONSTRUCTION

<b>Bonding Conductor (Ground)</b>	One(1) bare solid or stranded aluminum conductor
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE), Type RU90
<b>Jacket</b>	Polyvinyl Chloride (PVC)
	Maximum conductor temperature 90°C.
	Minimum handling temperature - 25°C
<b>Options</b>	Insulation - Black, White or Red
	Jacket - Grey
	additional colors available upon request.

Part Number	Size (AWG or KCMIL)	Conductor		Insulation Thickness		Approximate Diameter		Net Weight	
		Conductor	Ground Wire	inches	mm	inches	mm	lb/Mft	kg/km
1100603001	6	3	8(7)	0.045	1.14	0.7	18	183	272
1100403001	4	3	6(7)	0.045	1.14	2.03	22	272	404
1100203001	2	3	6(7)	0.045	1.14	2.03	25	299	594

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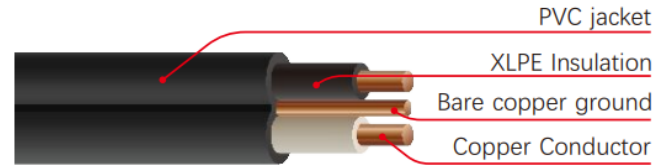
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Specification	Description
Standard Compliance	CSA C22.2 No.48
	CSA C22.2 No.38
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT1



## CONSTRUCTION

<b>Bonding Conductor (Ground)</b>	One(1) bare solid or stranded copper conductor
<b>Insulation</b>	Cross-Linked Polyethylene (XLPE), Type RU90
<b>Jacket</b>	Polyvinyl Chloride (PVC)
	Maximum conductor temperature 60°C.
	Minimum handling temperature - 25°C for 2 conductor cables and -10°C for 3 conductor cables
<b>Options</b>	Insulation - Black , White or Red; Jacket - Black additional colors available upon request.

Part Number	Size (AWG or KCMIL)	Conductor		Insulation Thickness		Approximate Diameter		Net Weight	
		Conductor	Bond Wire	inches	mm	inches	mm	lb/Mft	kg/km
06001402001	14	2	14	0.006	1.52	0.25×0.50	6.3×12.7	96	143
06001202001	12	2	14	0.006	1.52	0.27×0.53	6.8×13.6	118	174
06001002001	10	2	12	0.006	1.52	0.29×0.59	7.3×15.1	156	233
06000802001	8	2	10	0.075	1.91	0.39×0.79	9.9×20.0	271	403
06000602001	6	2	10	0.09	2.29	0.46×0.92	11.6×23.5	379	565
06001403001	14	3	14	0.006	1.52	0.47	11.9	122	181
06001203001	12	3	14	0.006	1.52	0.5	12.8	153	228
06001003001	10	3	12	0.006	1.52	0.55	13.9	206	307
06000803001	8	3	10	0.075	1.91	0.73	18.6	352	524
06000603001	6	3	10	0.09	2.29	0.88	22.3	504	751
06000203001	2	3	8	0.09	2.29	1.17	29.8	1070	1592

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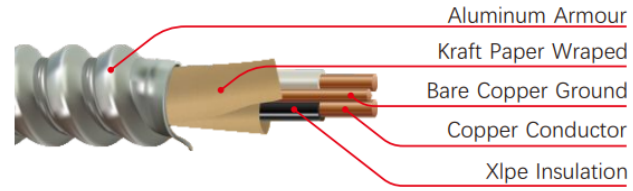
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Specification	Description
Standard Compliance	CSA C22.2 No.51
	CSA C22.2 No.38
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	ST1-FT4 Rating



## CONSTRUCTION

<b>Bonding Conductor (Ground)</b>	One bare copper ground wire
<b>Insulation</b>	90°C-rated cross-linked polyethylene (XLPE, Type RW90)
<b>Armor</b>	Interlocked aluminum armor
	Maximum conductor temperature 60°C.
	Continuous operation: -40°C to +90°C
	Minimum installation temperature: -40°C
<b>Options</b>	Black, White, Red, Blue (phase identification)

Part Number	Conductor			Insulation Thickness		Nominal Diameter Twisted Core		Nominal Diameter Armour		Net Weight	
	Size (AWG or KCMIL)	Conductor	Bond Wire	inches	mm	inches	mm	inches	mm	lb/Mft	kg/km
02001402001	14	2	14	0.03	0.76	0.248	6.3	0.43	10.92	98	145
02001202001	12	2	14	0.03	0.76	0.282	7.2	0.456	11.58	115	176
02001002001	10	2	12	0.03	0.76	0.324	8.2	0.515	13.08	156	233
02001403001	14	3	14	0.03	0.76	0.299	7.6	0.469	11.91	115	170
02001203001	12	3	14	0.03	0.76	0.303	7.7	0.485	12.32	145	2 15
02001003001	10	3	12	0.03	0.76	0.348	8.8	0.545	13.84	195	290
02000803001	8	3	10	0.045	1.1	0.486	12.30	0.73	18.54	340	505
02000603001	6	3	8	0.045	1.1	0.557	14.1	0.81	20.57	475	705
02000403001	4	3	8	0.045	1.1	0.664	16.9	0.915	23.24	650	965
02000303001	3	3	6	0.045	1.1	0.718	18.2	0.978	24.84	800	1195
02000203001	2	3	6	0.045	1.1	0.78	19.8	1.03	26.16	950	1410
02001404001	14	4	14	0.76	0.76	0.335	8.5	0.53	13.46	137	203
02001204001	12	4	14	0.76	0.76	0.348	8.8	0.545	13.84	175	260
02001004001	10	4	12	0.76	0.76	0.414	10.5	0.64	16.26	239	355

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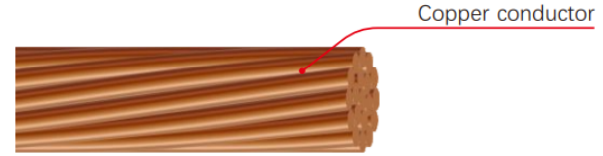
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Specification	Description
Soft or Annealed Copper Wire	ASTM B3
Concentric-Lay-Stranded Copper Conductors	ASTM B8



## CONSTRUCTION

<b>Conductor</b>	Annealed solid or stranded, soft copper
<b>Primary uses</b>	electrical circuit bonding and grounding applications

Conductor	Size (AWG or kcmil)	# Of Strands	Diameter Of Individual Wire	lb/Mft	kg/km
00001400101	14	1	0.064	13	19
00001000101	10	1	0.102	30	45
00000800101	8	1	0.129	49	73
00000600101	6	1	0.162	70	104
00000400101	4	1	0.202	126	188
00001400701	14	7	0.071	14	21
00001200701	12	7	0.089	20	30
00001000701	10	7	0.113	32	48
00000800701	8	7	0.142	51	76
00000600701	6	7	0.178	80	120
00000400701	4	7	0.225	129	192
00000300701	3	7	0.252	168	250
00000200701	2	7	0.283	205	305
00000101901	1	19	0.322	259	385
00000111901	1/0	19	0.361	326	485
00000201901	2/0	19	0.405	410	611
00000301901	3/0	19	0.456	518	771
00000401901	4/0	19	0.512	643	957
00002503701	250	37	0.558	773	1150

NOTE: Dimensions and weights are nominal and subject to change without notice. For sizes or assemblies not listed in the table, please contact our sales team at: 1-780-757-6888 or sales@primelines.ca

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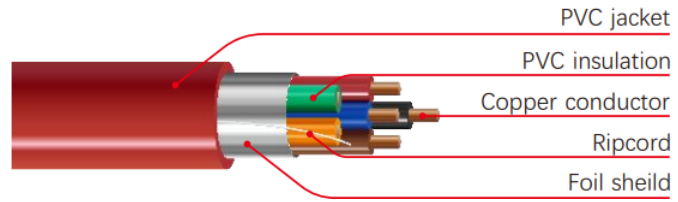
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Office: 1-780-757-6888

# Fire Alarm Signal Cable

## FAS Fire Alarm Copper Cable 300V

Specification	Description
Standard Compliance	CSA C22.2 No.208 CSA C22.2 No.2556
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistant	Yes
Flame Test Rating	FT4 Rating



### CONSTRUCTION

<b>Insulation</b>	Polyvinyl Chloride (PVC)
<b>Shield</b>	Overall foil shield is optional
<b>Jacket</b>	Polyvinyl Chloride (PVC) Temperature Rating: -20°C to +105°C
<b>Options</b>	Insulation: Black, White, Red, Green, Yellow; Jacket: Red, Black additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Approximate Diameter		Net Weight	
	Size (AWG)	Conductor	inches	mm	inches	mm	lb/Mft	kg/km
03001802001	18	2	0.015	0.381	0.21	5.334	28	41
03001803001	18	3	0.015	0.381	0.224	5.69	37	55
03001804001	18	4	0.015	0.381	0.238	6.05	46	68
03001805001	18	5	0.015	0.381	0.256	6.502	52	78
03001806001	18	6	0.015	0.381	0.271	6.883	60	90
03001808001	18	8	0.015	0.381	0.302	7.671	79	117
03001810001	18	10	0.015	0.381	0.33	8.382	95	141
03001815001	18	15	0.015	0.381	0.403	10.24	140	208
03001820001	18	20	0.015	0.381	0.454	11.532	182	270
03001830001	18	30	0.015	0.381	0.535	13.59	258	383
03001602001	16	2	0.015	0.381	0.235	5.969	35	52
03001603001	16	3	0.015	0.381	0.251	6.375	45	66
03001604001	16	4	0.015	0.381	0.272	6.909	55	82
03001605001	16	5	0.015	0.381	0.294	7.468	70	104
03001607001	16	7	0.015	0.381	0.325	8.255	91	136
03001402001	14	2	0.015	0.381	0.264	6.706	46	68
03001403001	14	3	0.015	0.381	0.284	7.214	63	93
03001404001	14	4	0.015	0.381	0.308	7.823	80	119
03001405001	14	5	0.015	0.381	0.335	8.509	97	144

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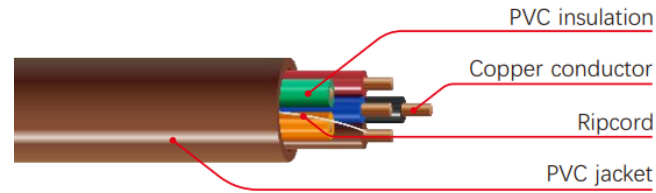
Office: 1-780-757-6888

# Control Circuit Cable

## LVT Low-Voltage Control Circuit

### Copper Cable 30V AC/DC

Specification	Description
Standard Compliance	CSA C22.2 No.35 CSA C22.2 No.2556
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistant	Yes
Flame Test Rating	FT4 Rating



## CONSTRUCTION

<b>Conductor</b>	Annealed solid soft copper
<b>Insulation</b>	PVC (Type LVT, 90°C rated)
<b>Jacket</b>	Polyvinyl Chloride (PVC), sunlight resistant
	Temperature Rating: -20°C to +60°C
	Installation: -10°C minimum
<b>Options</b>	Insulation: Black, White, Red, Green; Jacket: Red, Brown additional colors available upon request.

Part Number	Conductor		Insulation Thickness		Approximate Diameter		Net Weight	
	Size (AWG)	Conductor	inches	mm	inches	mm	lb/Mft	kg/km
04001802001	18	2	0.015	0.381	0.203	5.156	23	34
04001803001	18	3	0.015	0.381	0.214	5.436	32	47
04001804001	18	4	0.015	0.381	0.232	5.893	38	57
04001805001	18	5	0.015	0.381	0.243	6.172	47	70
04001806001	18	6	0.015	0.381	0.261	6.629	55	82
04001808001	18	8	0.015	0.381	0.292	7.417	69	103
04001810001	18	10	0.015	0.381	0.32	8.128	85	126
04001812001	18	12	0.015	0.381	0.344	8.738	101	150
04001602001	16	2	0.015	0.381	0.224	5.69	30	45
04001603001	16	3	0.015	0.381	0.225	5.71	31	46
04001604001	16	4	0.015	0.381	0.258	6.553	56	83

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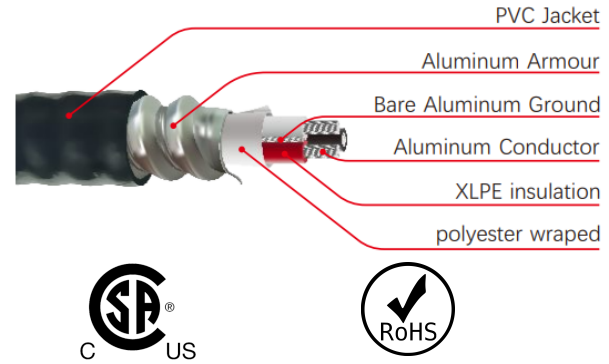
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# Aluminum Building Wire

## ACWU90 Aluminum Armored Cable

### 600V

Specification	Description
Standard Compliance	CSA C22.2 No.51 CSA C22.2 No.38
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT4 Rating



## CONSTRUCTION

<b>Conductor</b>	AA-8000 series aluminum alloy (Class 2 stranded)
<b>Insulation</b>	90°C-rated XLPE (Type Rw90), moisture-resistant
<b>Armor</b>	Interlocked aluminum armor
<b>Jacket</b>	UV-resistant PVC (NEMA 4X equivalent for wet locations)
<b>Grounding</b>	Bare aluminum bonding conductor
	Continuous operation: -40°C to +90°C
<b>Options</b>	Black, White, Red, Blue (phase identification)

Part Number	Conductor		Insulation Thickness		Approximate Diameter Twisted Core		Jacket Thickness		Net Weight	
	Size (AWG or KCMIL)	Ground Wire	inches	mm	inches	mm	inches	mm	lb/Mft	kg/km
10002502001	250	2	0.065	1.65	0.992	25.2	1.095	27.81	589	876
10003002001	300	2	0.065	1.65	1.111	28.220	1.209	30.71	754	1120
10003502001	350	2	0.065	1.65	1.258	31.97	1.35	35.015	808	1200
10004001001	400	1	0.065	1.65	1.266	32.16	1.357	34.65	973	1446
10005001001	500	1	0.065	1.65	1.269	32.205	1.365	33.958	989	1470
10006001001	600	1	0.08	2.03	1.36	34.545	1.454	36.93	1312	1950
10007501001	750	1/0	0.08	2.03	1.436	36.470	1.534	38.96	1307	1943
10007501001	750	3/0	0.08	2.03	1.498	37.969	1.583	40.215	1410	2095
10010003001	1000	3/0	0.08	2.03	1.586	40.28	1.704	43.28	1627	2419

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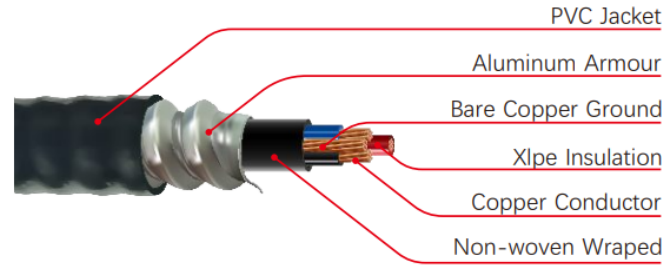
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# Copper Building Wire

## TECK90 Copper Control / Power Cable 600V or 1000V

Specification	Description
Standard Compliance	CSA C22.2 No.38
	CSA C22.2 No.131
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT4 Rating



### CONSTRUCTION

<b>Conductor</b>	Bare copper bonding conductor
<b>Insulation</b>	90°C-rated XLPE (Type RW90)
<b>Inner Jacket</b>	Black PVC (moisture barrier)
<b>Armor</b>	Interlocked aluminum
<b>Outer Jacket</b>	Black UV-resistant PVC Options: Black, White, Red, Blue (phase identification)

Part Number	Conductor		Insulation Thickness	Insul inches	Nominal Diameter Twisted Core			Net Weight		
	Size (AWG or KCMIL)	Ground Wire			inches	mm	Inner Jacket (inches)	Armour inches	Outer Jacket inches	lb/Mft
08001403001	14	14	0.045	1.143	0.13	0.74	0.96	1.04	263	390
08001203001	12	14	0.045	1.143	0.13	0.68	0.9	0.99	301	447
08001003001	10	12	0.045	1.143	0.15	0.73	0.95	1.04	376	559
08000803001	8	10	0.045	1.143	0.18	0.71	0.93	1.02	487	724
08000603001	6	8	0.06	1.524	0.9	1.17	1.45	1.54	726	1080
08000403001	4	8	0.06	1.524	0.43	1.26	1.54	1.63	971	1446
08000303001	3	6	0.06	1.524	0.45	1.31	1.59	1.74	1136	1691
08000203001	2	6	0.06	1.524	0.49	1.39	1.67	1.77	1311	1951
08000103001	1	6	0.08	2.032	0.52	4.450	1.73	1.83	1594	2372
08000113001	1/0	6	0.09	2.292	0.55	1.197	1.44	1.895	1906	2837
08000213001	2/0	6	0.09	2.292	0.575	1.309	1.54	2.115	2226	3312
08000313001	3/0	4	0.09	2.292	0.615	1.91	2.155	2.475	2667	3968
08000413001	4/0	4	0.09	2.292	0.67	2.215	2.475	2.78	3209	4773
08002503001	250	4	0.09	2.286	0.75	2.01	2.3	2.43	3801	5656
08003003001	300	4	0.09	2.286	0.89	2.115	2.355	2.495	4461	6639
08003503001	350	3	0.09	2.286	0.906	2.21	2.45	2.59	4981	7411
08004003001	400	3	0.09	2.286	0.96	2.315	2.555	2.695	5721	8513
08005003001	500	3	0.09	2.286	1.125	2.075	2.415	2.597	6587	9799
08006003001	600	2	0.09	2.286	1.115	2.645	2.885	3.025	7950	11830
08007503001	750	2	0.09	2.286	1.15	2.98	3.27	3.42	9269	13792
08010003001	1000	1	0.09	2.286	1.3	3.31	3.6	3.75	12186	18132

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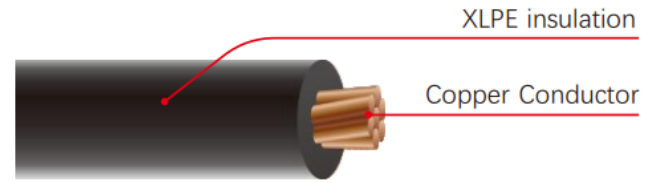
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# Copper Building Wire

## RPVU90 Copper Photovoltaic Cable 2000V DC

Specification	Description
Standard Compliance	CSA C22.2 No.38
	CSA C22.2 No.271
RoHS Compliance	Yes (RoHS Compliant)
Sunlight Resistant	Yes



## CONSTRUCTION

<b>Conductor</b>	Single-core copper conductor class B stranded
<b>Insulation</b>	Cross-linked Polyethylene (XLPE) Type RPVU90
	Operation: -40°C to +90°C (wet/dry conditions)
	Installation: -25°C (minimum with proper handling)
<b>Options</b>	Standard black, red
	additional colors available upon request.

Part Number	Conductor Size		Insulation Thickness		Cable O.D		Insulation Material	Shield	Maximum Resistance ( $\Omega$ /km)
	AWG Pairs	Conductor	inches	mm	inches	mm			
09000067001	6	Copper	0.08	2.04	0.331	8.41	XLPE	NO	2.2 13
09000047001	4	Copper	0.08	2.04	0.375	9.52	XLPE	NO	1.385
09000027001	2	Copper	0.08	2.04	0.431	10.95	XLPE	NO	0.865
09000017001	1	Copper	0.096	2.43	0.491	12.46	XLPE	NO	0.687
09000107001	1/0	Copper	0.096	2.43	0.53	13.45	XLPE	NO	0.541
09000207001	2/0	Copper	0.096	2.43	0.571	14.5	XLPE	NO	0.428
09000307001	3/0	Copper	0.096	2.43	0.614	15.6	XLPE	NO	0.337
09000407001	4/0	Copper	0.096	2.43	0.665	16.9	XLPE	NO	0.264
09002507001	250	Copper	0.112	2.85	0.746	18.95	XLPE	NO	0.21
09003007001	300	Copper	0.112	2.85	0.795	20.2	XLPE	NO	0.19
09003507001	350	Copper	0.112	2.85	0.844	21.45	XLPE	NO	0.166
09004007001	400	Copper	0.112	2.85	0.882	22.4	XLPE	NO	0.14
09004507001	450	Copper	0.112	2.85	0.925	23.5	XLPE	NO	0.122
09005007001	500	Copper	0.112	2.85	0.963	24.45	XLPE	NO	0.11
09005507001	550	Copper	0.126	3.21	1.022	25.97	XLPE	NO	0.101
09006007001	600	Copper	0.126	3.21	1.06	26.93	XLPE	NO	0.098
09006507001	650	Copper	0.126	3.21	1.094	27.8	XLPE	NO	0.087
09007007001	700	Copper	0.126	3.21	1.124	28.55	XLPE	NO	0.081
09007507001	750	Copper	0.126	3.21	1.161	29.48	XLPE	NO	0.075

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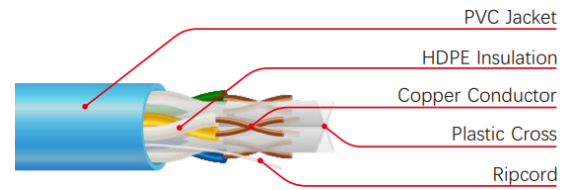
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# Communication Cable

## Category 6 Cable

Specification	Description
Standard Compliance	CSA C22.2 No.214
UL Listing	UL 444
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT4



### CONSTRUCTION

<b>Conductor</b>	Bare Copper conductors for excellent conductivity and low voltage drop.
<b>Insulation</b>	High Density Polyethylene (HDPE)
<b>Jacket</b>	PVC (CMR-rated)
	Low Insertion Loss: $\leq 21.3\text{dB @ } 500\text{MHz}$
<b>Future-Proof</b>	Supports 25G/40G with proper terminations
<b>Options</b>	Insulation: Blue, Orange, Green, Brown; Jacket: Grey
	additional colors available upon request.

Part Number	Conductor Size		Approximate Diameter		Net Weight		Insulation Material	Shield	Maximum Pulling Force (lb)	Minimum Bend Radius (in.)
	AWG Pairs	Conductor	inches	mm	lb/Mft	kg/km				
05009906001	4	23	0.205	5.207	28	42	Polyolefin	No	32	1

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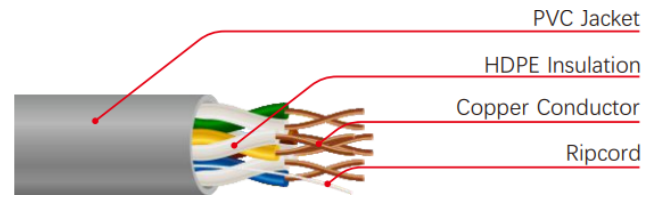
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# Communication Cable

## Category 5e Cable

Specification	Description
Standard Compliance	CSA C22.2 No.214
UL Listing	UL 444
RoHS Compliance	Yes (RoHS Compliant)
Flame Test Rating	FT4



### CONSTRUCTION

<b>Conductor</b>	Bare Copper conductors for excellent conductivity and low voltage drop.
<b>Insulation</b>	High Density Polyethylene (HDPE)
<b>Jacket</b>	PVC (CMR-rated) Low Insertion Loss: $\leq 21.3\text{dB @ } 500\text{MHz}$
<b>Future-Proof</b>	Supports 25G/40G with proper terminations
<b>Options</b>	Insulation: Blue, Orange, Green, Brown; Jacket: Grey additional colors available upon request.

Part Number	Conductor Size		Approximate Diameter		Net Weight		Insulation Material	Shield	Maximum Pulling Force (lb)	Minimum Bend Radius (in.)
	AWG Pairs	Conductor	inches	mm	lb/Mft	kg/km				
05009905001	4	24	0.2	5.08	21	31	Polyolefin	No	25	1

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