



ALCAN CABLE
ALUMINUM OVERHEAD
COVERED LINE WIRE



Alcan Cable Aluminum Overhead Covered Line Wire

Alcan Cable's single conductor overhead line wire delivers continuous and reliable performance on overhead distribution circuits. Alcan provides a full range of single conductor line wire available in solid hard drawn 1350 aluminum, stranded hard drawn 1350 aluminum (compressed), aluminum conductor steel reinforced (ACSR) and 6201 aluminum alloy. The conductor covering is available in low density or high density polyethylene and cross-linked polyethylene.

Product Application and Features:

- Designed for use in overhead distribution circuits at primary or secondary voltages.
- The covering provides circuit protection from momentary contacts with other conductors or trees, and corrosion resistance in certain environments.
- Low Density Polyethylene and High Density Polyethylene covered conductors are rated for 75°C operation. Crosslinked Polyethylene conductors are rated for 90°C operation.
- Conductors are to be installed on insulators.
- Track Resistant (TR) options available: **Single Layer constructions - HDPE (Black only); XLPE (Grey only)
- Two-Layer constructions - LLDPE/HDPE (not Track Resistant); LLDPE/TR-HDPE (Black outer layer); XLPE/TR-XLPE (Grey outer layer only)

AAC												
Code Word*	Size AWG or kcmil	Stranding	Rated Strength (Lbs.)	Nominal Cover Thickness (Mils)	Nominal Diameter (Inches)		Nominal Weight (Lbs. / 1000 Ft.)				Standard Package	
					Bare	O.D.	Aluminum	Total			Coils	Reels
								LDPE	HDPE	XLPE		
APPLE	6	1	440	30	0.162	0.222	24.1	31	32	31	4000	12300
PEAR	4	1	700	30	0.204	0.264	38.4	47	48	47	2400	8600
CHERRY	2	1	1100	45	0.258	0.348	61.0	78	79	78	2000	5000
PLUM	6	7	500	30	0.178	0.238	24.6	35	36	35	4000	10100
APRICOT	4	7	790	30	0.225	0.285	39.1	51	52	51	2500	7000
PEACH	2	7	1210	45	0.283	0.373	62.2	84	85	85	1500	7500
NECTARINE	1	7	1470	45	0.318	0.408	78.4	104	104	104	1200	6000
QUINCE	1/0	7	1790	60	0.357	0.477	98.9	136	105	136	1000	4700
ORANGE	2/0	7	2250	60	0.401	0.521	124.8	167	168	167	-	3800
FIG	3/0	7	2730	60	0.451	0.571	157.2	205	207	205	-	4400
OLIVE	4/0	7	3440	60	0.506	0.626	198.4	253	255	253	-	3500
POMEGRANATE	4/0	19	3610	60	0.512	0.632	198.4	247	249	247	-	3800
MULBERRY	266.8	19	4470	60	0.575	0.695	250.1	305	307	305	-	3000
ANONA	336.4	19	5530	60	0.646	0.766	315.5	377	379	377	-	2500
CRABAPPLE	336.4	19	5530	80	0.646	0.806	315.5	397	400	397	-	2200
MOLLES	397.5	19	6390	80	0.702	0.862	372.9	462	464	462	-	2000
HUCKLEBERRY	477	37	7820	80	0.771	0.931	446.8	537	541	537	-	3300
PAW PAW	556.5	37	8940	80	0.832	0.992	521.3	620	623	620	-	2800
BREADFRUIT	636	61	10510	95	0.891	1.081	596.0	718	722	718	-	2500
PERSIMMON	795	61	12870	95	0.997	1.187	745.7	881	885	881	-	2200
GRAPEFRUIT	1033.5	61	16470	95	1.137	1.327	969.2	1122	1127	1122	-	1700

*Add "/HD" for High Density or "/XLP" for Cross Linked Polyethylene

**Contact your Alcan Sales representative for more information

Data approximate and subject to change to manufacturing tolerances.

Product Construction:



Alcan Aluminum Overhead Covered Line Wire:

- Consists of solid hard drawn 1350 aluminum (ASTM-B230), stranded hard drawn 1350 aluminum (ASTM-B231), ACSR (ASTM-B232), or 6201 aluminum alloy (ASTM-399).
- Meets or exceeds the requirements of ANSI/ICEA S-70-547.
- Track Resistance Test: ASTM D2302-97 Liquid-Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials.
- Track Resistance Test: ASTM D2132-03 Dust and Fog Tracking and Erosion Resistance of Electrical Insulating Materials.
- Test report available upon request.

Product Markings:

Cable will bear the following surface markings: Alcan (Plant of Manufacture), (Covering Type), (Year of Manufacture).

ACSR

Code Word*	Size AWG or kcmil	Stranding	Rated Strength (Lbs.)	Nominal Cover Thickness (Mils)	Nominal Diameter (Inches)		Nominal Weight (Lbs. / 1000 Ft.)				Standard Package	
					Bare	O.D.	Aluminum	Total			Coils	Reels
								LDPE	HDPE	XLPE		
WALNUT	6	6/1	1130	30	0.198	0.258	24.5	47	48	47	2700	8800
BUTTERNUT	4	6/1	1760	30	0.250	0.310	38.9	72	72	72	2200	6200
HICKORY	4	7/1	2240	30	0.257	0.317	38.9	81	82	81	2000	6000
PIGNUT	2	6/1	2700	45	0.316	0.406	61.9	118	119	118	1200	6700
BEECH	2	7/1	3450	45	0.325	0.415	61.9	133	134	133	1100	6100
CHESTNUT	1	6/1	3370	45	0.354	0.444	78.1	146	147	146	1000	5300
ALMOND	1/0	6/1	4160	60	0.398	0.518	98.5	190	191	190	1000	4000
PECAN	2/0	6/1	5030	60	0.447	0.567	124.1	234	235	234	-	3400
FILBERT	3/0	6/1	6280	60	0.502	0.622	156.4	289	291	289	-	3900
BUCKEYE	4/0	6/1	7930	60	0.563	0.683	197.4	358	360	358	-	3000
HACKBERRY	266.8	18/1	6550	60	0.609	0.729	249.9	353	355	353	-	2600

6201

Code Word*	Equiv. Size** AWG	Stranding	Rated Strength (Lbs.) (Mils)	Nominal Cover Thickness	Nominal Diameter (Inches)		Nominal Weight (Lbs. / 1000 Ft.)				Standard Package	
					Bare**	O.D.	Aluminum	Total			Coils	Reels
								LDPE	HDPE	XLPE		
POPLAR	4	1	-	30	0.221	0.281	44.7	55	55	55	3000	8700
HORNBEAM	4	7	1580	30	0.250	0.310	45.4	60	61	60	2200	6200
LINDEN	2	7	2520	45	0.316	0.406	72.2	99	100	99	1000	6700
OILNUT	1/0	7	3840	60	0.398	0.518	114.9	159	160	159	1000	4000
WATERASH	2/0	7	4850	60	0.447	0.567	144.9	195	197	195	-	3400
SHELLBARK	3/0	7	6110	60	0.502	0.622	182.5	241	243	241	-	3900
PLANETREE	4/0	7	7700	60	0.563	0.683	230.2	297	299	297	-	3000

*Add "/HD" for High Density or "/XLP" for Cross Linked Polyethylene

**Diameter equivalent to ACSR diameter and approximate Al 1350 size having equivalent resistance

Data are approximate and subject to manufacturing tolerances.



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UT-0008 3/2011