



APPLICATIONS

Covered Line Wire is used primarily for overhead secondary distribution lines. It is not an electrically insulated conductor and is treated as bare conductor when installed.

CONSTRUCTION

Conductors are aluminum alloy 1350-H19, 6201-181, or ACSR conductors, concentrically stranded and covered for weather proofing with low density polyethylene (LDPE), high density polyethylene (HDPE) or crosslinked polyethylene (XLPE) insulation.

STANDARDS

ASTM B-230, B-231, B-232, and B-399
ICEA S-61-402 and S-66-524

ALUMINUM COVERED LINE WIRE

CODE NAME*	SIZE (AWG or MCM)	STRAND	INSULATION THICKNESS (MILS)	OUTSIDE DIAMETER (INCHES)	RATED STRENGTH (LBS)	WEIGHT		AMPACITY (AMPS)
						XLP	POLY	XLP
AAC								
Apple	6	Solid	30	0.222	445	33	32	105
Pear	4	Solid	30	0.264	675	48.5	47.3	135
Apricot	4	7/w	30	0.285	790	51.5	50.8	140
Peach	2	7/w	45	0.373	1220	87.1	84	180
Quince	1/0	7/w	60	0.477	1790	140.7	135.6	240
Orange	2/0	7/w	60	0.522	2260	171.9	166.2	280
Fig	3/0	7/w	60	0.57	2740	210.5	204	320
Olive	4/0	7/w	60	0.626	3450	258.7	251.4	370
Pomegranate	4/0	19/w	60	0.632	3620	254.8	247.9	370
Mulberry	266.8	19/w	60	0.692	4470	313.5	305.8	430
Anona	336.4	19/w	60	0.766	5535	387.6	378.8	495
Molles	397.4	19/w	75	0.852	6400	469.2	457.4	545
Huckleberry	477	37/w	75	0.921	7820	550	537.5	610
Paw Paw	556.5	37/w	75	0.982	8950	633	619.4	670
Breadfruit	636	61/w	95	1.08	10510	742.6	724.7	720
Persimmon	795	61/w	95	1.187	12900	910	890	825
Grapefruit	1033.5	61/w	95	1.327	16500	1156.7	1133.8	970
ACSR								
Walnut	6	6/1	30	0.258	1131	49	47	105
Butternut	4	6/1	30	0.303	1170	71.8	70.0	135
Hickory	4	7/1	30	0.309	2240	81.6	79.8	135
Pignut	2	6/1	45	0.397	2710	118.1	114.8	180
Beech	2	7/1	45	0.405	3460	134.1	130.7	180
Chestnut	1	6/1	45	0.434	3370	145.5	141.8	210
Almond	1/0	6/1	60	0.506	4160	190.4	184.9	235
Pecan	2/0	6/1	60	0.554	5040	234.2	227.9	270
Filbert	3/0	6/1	60	0.607	6290	288.5	281.4	305
Buckeye	4/0	6/1	60	0.666	7930	356.5	348.5	345
Hackberry	266.8	18/1	60	0.711	6540	354.8	346.8	435
ALLOY 6201-T81								
Hornbeam	4	7/w	30	0.310	1480	62.1	60.1	145
Linden	2	7/w	45	0.406	2520	96.1	93.3	190
Oilnut	1/0	7/w	60	0.518	4010	166.1	160.0	250
Waterash	2/0	7/w	60	0.567	4850	203.3	196.4	290
Shellbark	3/0	7/w	60	0.622	6110	249.4	241.4	335
Planetree	4/0	7/w	60	0.683	7700	307.3	298.1	385

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES

*The code words as given apply to conventional polyethylene line wire. Available in 500ft coils or long lengths on reels.

For 6201 aluminum conductors diameter equivalent to ACSR construction or 1350 aluminum equivalent.

Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation-sea level.

Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering -375°C -Cm2/Watt-CM. Wind speed 2ft./sec in sun.

To determine current ampacity by conductor size, please consult the National Electric Code, latest edition.