



Covered Line Wire Aluminum Conductor

Code Word**	Size AWG/KCM	No of Strands AL/Steel	Cover Thickness (mils)	Outside Diameter (inches)	Rated Strength (lbs)	Weight (lbs/kft)		Ampacity* XLP (Amps)
						XLP	Poly	
Walnut	6	6/1	30	0.258	1131	49	47	105
Butternut	4	6/1	30	0.303	1760	72	70	135
Hickory	4	7/1	30	0.309	2240	82	80	135
Pignut	2	6/1	45	0.397	2710	118	115	180
Beech	2	7/1	45	0.405	3460	134	131	180
Chestnut	1	6/1	45	0.434	3370	146	142	210
Almond	1/0	6/1	60	0.506	4160	191	185	235
Pecan	2/0	6/1	60	0.554	5040	234	228	270
Fibert	3/0	6/1	60	0.607	6290	289	282	305
Buckeye	4/0	6/1	60	0.666	7930	366	349	345
Hackberry	266.8	18/1	60	0.711	6540	355	347	435

All values are nominal and subject to correction

**The code words as given apply to conventional polyethylene covered ACSR line wires. The data is approximate and subject to normal manufacturing tolerances. Diameters of covered 1350-H19 and 6201-T81 aluminum wires are equivalent to ACSR constructions.

*Ampacity ratings based on: conductor temperature - 75°C, ambient temperature - 25°C, elevation - sea level, emissivity - 0.91, coefficient of absorption - 0.95, thermal resistivity of covering - 375°C cm²/watt, wind speed - 2ft./sec, in sun.

Application: Aluminum Covered Line Wire is designed for use on overhead secondary distribution lines. Covered Line Wire is not an electrically insulated conductor and is treated as a bare conductor when installed. The insulation provides protection against circuit interruption due to weather.

Conductor: Concentric stranded 1350-H19, 6201-T81 or ACSR aluminum conductor.

Cover: Black high density polyethylene (HDPE) or cross-linked polyethylene (XLP).

Standards: ASTM B-230
ASTM B-231
ASTM B-232
ASTM B-399
RUS ACCEPTED

1-800-945-5542

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