



**POWER KABEL INC.**

**15kV ACSR ALUMINUM TREE WIRE - 2 LAYER**

**APPLICATIONS & FEATURES**

Used for primary and secondary overhead distribution where limited space is available or desirable for rights of way. Installed as an uninsulated conductor; however, covering is effective in preventing direct shorts and instantaneous flashovers should tree limbs or other objects contact conductors in such close proximity. The resulting close-proximity configuration minimizes the amount of space and hardware required for line installation; particularly useful in congested areas such as alleyways or tight corridors.

**INDUSTRY COMPLIANCES**

15kV – 35kV covered multi-layer tree wire meets or exceeds all applicable ICEA specifications and the following ASTM specifications:  
 ASTM B230 ASTM B231 ASTM B232 ASTM B398 ASTM B399 ASTM B400

**CONSTRUCTION**

Conductors are concentrically stranded, AAC (1350-H19), either compressed or full compact depending on conductor size, AAAC or ACSR. Available with high-density track-resistant polyethylene (HDTPE) or Track-Resistant Crosslinked Polyethylene (XLPE) covering.

AWG	STRANDING	CONDUCTOR DIAMETER (MILS)	COVERING THICKNESS (MILS)		CABLE OD (MILS)	RATED STRENGTH (LBS)	POUNDS PER 1000 FT
			INNER LAYER	OUTER LAYER			
4	6/1	250	75	75	550	1767	136
2	6/1	316	75	75	616	2708	184
1/0	6/1	398	75	75	698	4161	255
2/0	6/1	447	75	75	747	5045	303
3/0	6/1	502	75	75	802	6289	362
4/0	6/1	563	75	75	863	7933	432
266.8	18/1	609	75	75	909	6536	441
266.8	26/7	642	75	75	942	10735	452
336.4	18/1	684	75	75	984	8246	536
336.4	26/7	720	75	75	1020	13395	555
336.4	30/7	741	75	75	1041	16435	621
397.5	18/1	743	75	75	1043	9443	611
397.5	24/7	772	75	75	1072	13870	609
397.5	26/7	783	75	75	1083	1545	645
477	24/7	846	75	75	1146	16340	719
477	26/7	858	75	75	1158	18525	762
477	30/7	883	75	75	1183	22610	854
556.5	18/1	879	75	75	1179	13015	813
556.5	24/7	914	75	75	1214	18810	828
556.5	26/7	927	75	75	1227	21470	878
636	18/1	940	75	75	1240	14915	912
636	24/7	977	75	75	1277	20900	936
636	26/7	990	75	75	1290	23940	993
795	26/7	1108	80	75	1428	29925	1234
795	45/7	1063	80	80	1383	20995	1031
48.69	7	250	75	75	550	1584	124
77.47	7	316	75	75	616	2520	165
123.3	7	398	75	75	698	4014	225
155.4	7	447	75	75	747	4851	265
195.7	7	502	75	75	802	6111	314
246.9	7	563	75	75	863	7704	376
312.8	19	642	75	75	942	9900	450
394.5	19	720	75	75	1020	11970	543
465.4	19	782	75	75	1082	14040	623
559.5	19	858	75	75	1158	16920	727
652.4	19	927	75	75	1227	19710	828
740.8	37	990	80	80	1310	21960	938