



POWER KABEL INC.

25kV AAC ALUMINUM TREE WIRE - 3 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. Strand shield option available on 3 layer.

AWG	STRANDING	CONDUCTOR DIAMETER (MILS)	COVERING THICKNESS (MILS)			CABLE OD (MILS)	RATED STRENGTH (LBS)	POUNDS PER 1000 FT
			CONDUCTOR SHIELD	INNER LAYER	OUTER LAYER			
1/0	7	336	15	125	125	866	1791	309
2/0	7	376	15	125	125	906	2259	350
3/0	7	423	15	125	125	953	2736	400
4/0	7	475	15	125	125	1005	3447	460
266.8	19	537	15	125	125	1067	4473	531
336.4	19	603	15	125	125	1133	5535	621
397.5	19	659	15	125	125	1189	6399	698
477	19	722	20	125	125	1262	7524	806
556.5	37	780	20	125	125	1320	8946	899
636	37	835	20	125	125	1375	10260	995
795	37	932	20	125	125	1472	12510	1181