



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, AAC 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			
48.69	7	250	15	125	125	780	1584	225
77.47	7	316	15	125	125	846	2520	275
123.3	7	398	15	125	125	928	4014	348
155.4	7	447	15	125	125	977	4851	396
195.7	7	502	15	125	125	1032	6111	454
246.9	7	563	15	125	125	1093	7704	525
312.8	19	642	15	125	125	1172	9900	611
394.5	19	720	15	125	125	1251	11970	716
465.4	19	783	15	125	125	1313	14040	805
559.5	19	858	20	125	125	1398	16920	932
652.4	19	927	20	125	125	1467	19710	1044
740.8	37	990	20	125	125	1530	21960	1148
927.2	37	1108	20	125	125	1648	27450	1389