



POWER KABEL INC.

15kV AAAC 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			
48.69	7	250	15	75	75	580	1584	137
77.47	7	316	15	75	75	646	2520	179
123.3	7	398	15	75	75	728	4014	241
155.4	7	447	15	75	75	777	4851	283
195.7	7	502	15	75	75	832	6111	334
246.9	7	563	15	75	75	893	7704	397
312.8	19	642	15	75	75	972	9900	473
394.5	19	720	15	75	75	1050	11970	568
465.4	19	783	15	75	75	1113	14040	649
559.5	19	858	15	75	75	1188	16920	755
652.4	19	927	20	75	75	1267	19710	894
740.8	37	990	20	75	75	1330	21960	963