



POWER KABEL INC.

35kV 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	175	125	880	1584	278
77.47	7	316	15	175	125	946	2520	333
123.3	7	398	15	175	125	1028	4014	411
155.4	7	447	15	175	125	1077	4851	462
195.7	7	502	15	175	125	1132	6111	523
246.9	7	563	15	175	125	1193	7704	598
312.8	19	642	15	175	125	1272	9900	689
394.5	19	720	15	175	125	1351	11970	799
465.4	19	783	15	175	125	1412	14040	892
559.5	19	858	20	175	125	1498	16920	1024
652.4	19	927	20	175	125	1567	19710	1141