



# POWER KABEL INC.

## 35kV 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	175	125	966	1791	368
2/0	7	376	15	175	125	1006	2259	411
3/0	7	423	15	175	125	1053	2736	464
4/0	7	475	15	175	125	1105	3447	527
266.8	19	537	15	175	125	1167	4473	603
336.4	19	603	15	175	125	1233	5535	696
397.5	19	659	15	175	125	1289	6399	777
477	19	722	20	175	125	1362	7524	889
556.5	37	780	20	175	125	1420	8946	987
636	37	835	20	175	125	1475	10260	1085
795	37	932	20	175	125	1572	12510	1278