



POWER KABEL INC.

25kV ACSR 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	6/1	398	15	125	125	928	4161	385
2/0	6/1	447	15	125	125	977	5045	443
3/0	6/1	502	15	125	125	1032	6289	513
4/0	6/1	563	15	125	125	1093	7933	600
266.8	18/1	609	15	125	125	1139	6536	608
266.8	26/7	642	15	125	125	1172	10735	692
336.4	18/1	684	15	125	125	1214	8246	714
336.4	26/7	720	15	125	125	1250	13395	818
336.4	30/7	741	15	125	125	1271	16435	1086
397.5	18/1	743	15	125	125	1273	9443	804
397.5	24/7	772	15	125	125	1302	13870	863
397.5	26/7	783	15	125	125	1313	15485	926
477	24/7	846	20	125	125	1386	16340	999
477	26/7	858	20	125	125	1398	18525	1076
477	30/7	883	20	125	125	1423	22610	1458
556.5	18/1	879	20	125	125	1419	13015	1045
556.5	24/7	914	20	125	125	1454	18810	1124
556.5	26/7	927	20	125	125	1467	21470	1213