POWER KABEL INC.

35kV 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 (HDTRPE) 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	175	125	1028	4161	448
2/0	6/1	447	15	175	125	1077	5045	509
4/0	6/1	563	15	175	125	1193	7933	673
266.8	18/1	609	15	175	125	1239	6536	684
266.8	26/7	642	15	175	125	1272	10735	770
336.4	18/1	684	15	175	125	1314	8246	794
336.4	26/7	720	15	175	125	1350	13395	901
336.4	30/7	741	15	175	125	1371	16435	1170
397.5	18/1	743	15	175	125	1373	9443	889
397.5	24/7	772	15	175	125	1402	13870	949
397.5	26/7	783	15	175	125	1413	15485	1013
477	24/7	846	20	175	125	1486	16340	1091
477	26/7	858	20	175	125	1498	18525	1168
477	30/7	883	20	175	125	1523	22610	1552
556.5	18/1	879	20	175	125	1519	13015	1138
556.5	24/7	914	20	175	125	1554	18810	1220
556.5	26/7	927	20	175	125	1567	21470	1309
636	18/1	940	20	175	125	1580	14915	1637
636	26/7	990	20	175	125	1630	23940	1826
795	26/7	1107	20	175	125	1747	29925	2146
795	45/7	1063	20	175	125	1703	20995	1892