POWER KABEL INC.

15kV 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			
4	6/1	250	15	75	75	580	1767	151
2	6/1	316	15	75	75	646	2708	202
1/0	6/1	398	15	75	75	728	4161	278
2/0	6/1	447	15	75	75	777	5045	330
3/0	6/1	502	15	75	75	832	6289	393
4/0	6/1	563	15	75	75	893	7933	471
266.8	18/1	609	15	75	75	939	6536	474
266.8	26/7	642	15	75	75	972	10735	553
336.4	18/1	684	15	75	75	1014	8246	570
336.4	26/7	720	15	75	75	1050	13395	669
336.4	30/7	741	15	75	75	1071	16435	935
397.5	18/1	743	15	75	75	1073	9443	653
397.5	24/7	772	15	75	75	1102	13870	707
397.5	26/7	783	15	75	75	1113	15485	770
477	24/7	846	15	75	75	1176	16340	824
477	26/7	858	15	75	75	1188	18525	899
477	30/7	883	15	75	75	1213	22610	1274
556.5	18/1	879	20	75	75	1219	13015	874
556.5	24/7	914	20	75	75	1254	18810	949
556.5	26/7	927	20	75	75	1267	21470	1036
636	18/1	940	20	75	75	1280	14915	1200
636	26/7	990	20	75	75	1330	23940	1373