



# 5kV Spacer Cable Tree Wire

## Product Description

All aluminum or ACSR conductor covered with cross-linked (XLP), HMW, low density or high density polyethylene.

## Application

Used for primary or secondary distribution where space is limited. This is an uninsulated conductor; covering is intended to prevent flashovers or shorts with other objects.

## Product Data

### All-Aluminum Conductors

Size (AWG or kcmil)	Stranding	Covering Thickness (mils.)	Cable O.D. (mils.)	Rated Strength (lbs.)	Weight per 1000 ft. (lbs.)			Allowable Ampacity+
					XLP	HMW Poly	HD Poly	
4	7	80	385	793	77.4	70.1	71.1	135
2	7	80	443	1215	108.6	99.1	100.3	180
1	19	80	482	1566	127.9	119.3	120.6	210
1/0	19	80	522	1944	154.0	143.9	145.4	240
2/0	19	80	566	2403	185.5	174.2	175.8	275
3/0	19	80	616	2979	225.0	211.9	213.6	320
4/0	19	80	672	3618	274.0	258.7	260.0	370
250	37	80	718	4419	311.8	299.4	301.5	410
266.8	19	80	734	4473	334.3	316.8	319.0	425
300.0	37	80	771	5301	365.5	351.7	354.0	455
336.4	37	80	807	5790	404.0	389.6	391.9	490
350.0	37	80	821	6084	419.1	403.8	406.2	505
400.0	37	80	866	6696	471.5	455.2	457.8	--
450.0	37	80	909	7380	524.1	506.5	509.2	--
477.0	37	80	931	7821	552.5	534.1	536.9	610
500.0	37	80	949	8199	576.3	557.6	560.4	625

### ACSR Conductors

Size (AWG or kcmil)	Stranding	Covering Thickness (mils.)	Cable O.D. (mils.)	Rated Strength (lbs.)	Weight per 1000 ft. (lbs.)			Allowable Ampacity+
					XLP	HMW Poly	HD Poly	
4	6/1	80	410	1767	100.2	94.6	95.8	135
2	6/1	80	476	2708	144.5	137.5	139.0	180
1	6/1	80	514	3373	174.8	167.0	168.7	205
1/0	6/1	80	558	4161	211.9	203.2	205.0	230
2/0	6/1	80	607	5035	285.5	248.6	250.7	265
3/0	6/1	80	662	6289	316.2	305.0	307.4	305
4/0	6/1	80	723	7933	387.9	375.2	377.9	345
266.8	18/1	80	769	6536	386.9	374.2	376.9	430
266.8	26/7	80	802	10735	463.1	450.5	453.2	440
336.4	18/1	80	844	8246	474.9	460.5	463.6	500
336.4	26/7	80	880	13395	571.0	556.9	559.9	510
397.5	18/1	80	903	9443	552.2	536.5	559.9	555
397.5	26/7	80	943	15485	665.2	649.7	653.0	565
477.0	18/1	80	974	11210	651.4	633.9	637.6	620
477.0	26/7	80	1018	18525	787.6	770.5	774.2	630

+Conductor temperature 70°C; ambient temperature of 20°C; emissivity 0.9; 2 ft./sec. wind and sun.

\*Manufactured with pride in DeKalb, IL USA.

## Specification Data

ICEA	
ASTM B-230	Aluminum, 1350 H-19 wire for electrical purposes
ASTM B-231	Concentric-lay-stranded aluminum 1350 conductors
ASTM B-232	Concentric-lay-stranded, aluminum conductors, coated steel
ASTM B-498	Zinc-coated (galvanized) steel core wire for aluminum conductors, steel reinforced (ACSR)