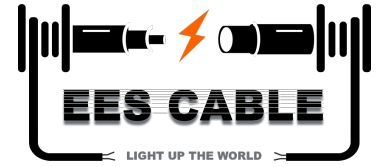


# 15 kV .175" TRXLPE Concentric neutral underground cable

## Concentric Cable Medium Voltage



### Electrical Data

.175" TRXLPE 15kV concentric neutral underground cable, 100% insulation thickness, compressed stranding and solid conductors.

Aluminum	Conductor		Copper Neutral		Resistance DC OHMS per 1000' @ 90°C	Inductive Reactance OHMS per 1000'	Ampacity – 20°C Ambient 100% LF, RHO-90		
	AWG or kcmil	Number of Strands	Number of Wires	Size AWG			1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
Full Neutral	2	SOLID	10	14	.3280	.032	170	115	100
	2	7	10	14	.3360	.030	170	115	100
	1	SOLID	13	14	.2600	.030	195	140	123
	1	19	13	14	.2650	.029	195	140	123
	1/0	SOLID	16	14	.2060	.028	230	155	135
	1/0	19	16	14	.2110	.028	230	155	135
	2/0	19	13	12	.1670	.025	270	185	162
	3/0	19	16	12	.1320	.024	295	210	184
4/0	19	20	12	.1050	.023	335	240	210	
						OHMS to Neutral per 1000'	3/C Direct Buried 8" Spacing	3/C Triplex in Duct	3/C Duct In Air
One-Third Neutral	1/0	SOLID	6	14	.2060	.102	230	165	145
	1/0	19	6	14	.2110	.099	230	165	145
	2/0	19	7	14	.1670	.097	250	190	167
	3/0	19	9	14	.1320	.094	280	215	189
	4/0	19	11	14	.1050	.092	320	245	215
	250	37	13	14	.0890	.089	345	270	237
	350	37	11	12	.0635	.085	405	325	285
	500	37	16	12	.0445	.082	460	385	338
	750	61	15	10	.0296	.077	515	475	417
1000	61	20	10	.0222	.074	565	540	475	

Copper	Conductor		Copper Neutral		Resistance DC OHMS per 1000' @ 90°C	Inductive Reactance OHMS per 1000'	Ampacity – 20°C Ambient 100% LF, RHO-90		
	AWG or kcmil	Number of Strands	Number of Wires	Size AWG			1/C Direct Buried	1/C Duct Buried	1/C Duct In Air
Full Neutral	2	7	16	14	.2020	.030	225	160	140
	1	19	13	12	.1610	.029	260	185	162
	1/0	19	16	12	.1270	.028	295	210	185
	2/0	19	20	12	.1020	.025	330	240	210
	3/0	19	25	12	.0802	.024	375	270	237
	4/0	19	20	10	.0635	.023	430	305	268
						OHMS to Neutral per 1000'	3/C Direct Buried 8" Spacing	3/C Triplex in Duct	3/C Duct In Air
One-Third Neutral	1/0	19	9	14	.1270	.099	290	210	185
	2/0	19	11	14	.1020	.097	320	240	210
	3/0	19	14	14	.0802	.094	350	275	241
	4/0	19	11	12	.0635	.092	390	315	276
	250	37	13	12	.0539	.089	415	340	298
	350	37	12	10	.0385	.085	475	415	364
	500	37	17	10	.0270	.082	525	480	420
	750	61	25	10	.0180	.077	560	530	465
1000	61	26	9	.0135	.074	600	590	518	