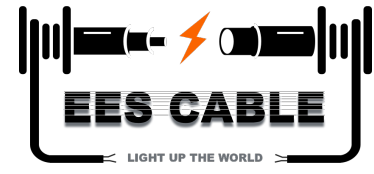


35kV .345" TRXLPE concentric neutral underground cable

Concentric Cable Medium Voltage



Electrical Data

.345" TRXLPE 35kV 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	1/0	SOLID	16	14	.2060	.036	220	165	145
	1/0	19	16	14	.2110	.034	220	165	145
	2/0	19	13	12	.1670	.032	250	195	310
	3/0	19	16	12	.1320	.030	285	220	193
	4/0	19	20	12	.1050	.029	325	250	220
One-Third Neutral						OHMS to Neutral per 1000'	3/C Direct Buried 8" Spacing	3/C Triplex in Duct	3/C Duct In Air
	1/0	SOLID	6	14	.2060	.102	215	165	145
	1/0	19	6	14	.2110	.099	215	165	145
	2/0	19	7	14	.1670	.097	245	190	167
	3/0	19	9	14	.1320	.094	275	215	189
	4/0	19	11	14	.1050	.092	305	245	215
	250	37	13	14	.0890	.089	335	270	238
	350	37	11	12	.0635	.085	390	320	280
	500	37	16	12	.0445	.082	440	385	338
	750	61	15	10	.0296	.077	515	475	417
1000	61	20	10	.0222	.074	570	535	470	

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	1/0	19	16	12	.1270	.034	280	215	189
	2/0	19	20	12	.1020	.032	310	240	211
	3/0	19	25	12	.0802	.030	355	275	241
	4/0	19	20	10	.0635	.029	410	315	276
One-Third Neutral						OHMS to Neutral per 1000'	3/C Direct Buried 8" Spacing	3/C Triplex in Duct	3/C Duct In Air
	1/0	19	9	14	.1270	.099	270	215	189
	2/0	19	11	14	.1020	.097	305	240	211
	3/0	19	14	14	.0802	.094	340	280	246
	4/0	19	11	12	.0635	.092	380	315	276
	250	37	13	12	.0539	.089	405	340	298
	350	37	12	10	.0385	.085	460	400	350
	500	37	17	10	.0270	.082	520	470	412
	750	61	25	10	.0180	.077	567	550	483
1000	61	26	9	.0135	.074	625	615	540	