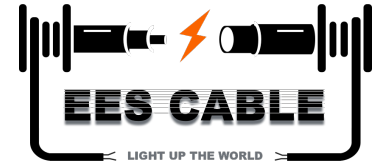


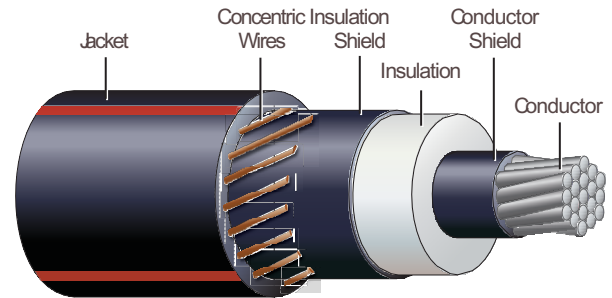
28kV Aluminum Conductor 90° C (100% – .280 in.) Concentric Cable Medium Voltage



Underground Residential Distribution Cable (URD)

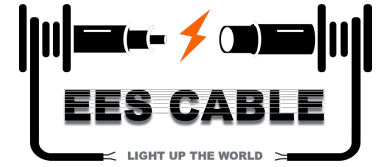
28kV Aluminum Conductor 90°C
(100% – .280 in.)

- Conductor – Compact Aluminum
- Conductor Shield – Semiconducting Layer
- Insulation – TRXLPE
- Insulation Shield – Semiconducting Layer
- Concentric Wires – One-Third and Full Neutral
- Jacket – Nonconducting Polyethylene (LLDPE) with 3 Red Stripes, Semiconducting Available



Aluminum	Conductor		Copper Neutral		Diameter (mm/in) (per CSA C68.5 Appendix C)				Weight (lbs/ft)		
	AWG or kcmil	Number of Strands	Number of Wires	Size AWG	Conductor	Min. over Insulation	Max. over Insulation	Over Embedded Jacket	Conductor	Neutral	Total with Embedded Jacket
Compact Full Neutral	1/0	19	16	14	8.530 (0.336)	22.606 (0.890)	25.019 (0.985)	31.115 (1.225)	0.0991	0.212	0.7545
	2/0	19	13	12	9.550 (0.376)	23.622 (0.930)	26.035 (1.025)	33.020 (1.300)	0.1249	0.276	0.8810
	3/0	19	16	12	10.700 (0.423)	24.765 (0.975)	27.178 (1.070)	34.163 (1.345)	0.1575	0.340	0.9982
	4/0	19	20	12	12.100 (0.475)	26.162 (1.030)	28.488 (1.120)	35.560 (1.400)	0.1986	0.425	1.1456
Compact One-Third Neutral	1/0	19	6	14	8.530 (0.336)	22.606 (0.890)	25.019 (0.985)	31.115 (1.225)	0.0991	0.080	0.6370
	2/0	19	7	14	9.550 (0.376)	23.622 (0.930)	26.035 (1.025)	32.258 (1.270)	0.1249	0.093	0.7508
	3/0	19	9	14	10.700 (0.423)	24.765 (0.975)	27.178 (1.070)	33.401 (1.315)	0.1575	0.120	0.7833
	4/0	19	11	14	12.100 (0.475)	26.162 (1.030)	28.488 (1.120)	34.674 (1.365)	0.1986	0.145	0.8794
	250	37	13	14	13.200 (0.520)	27.432 (1.080)	29.845 (1.175)	35.814 (1.410)	0.2347	0.173	0.9643
	350	37	11	12	15.600 (0.616)	29.972 (1.180)	32.385 (1.275)	39.116 (1.540)	0.3286	0.240	1.1959
	500	37	16	12	18.700 (0.736)	33.020 (1.300)	35.433 (1.395)	42.164 (1.660)	0.4694	0.340	1.4976
	750	61	15	10	23.100 (0.908)	37.592 (1.480)	40.005 (1.575)	49.149 (1.935)	0.7040	0.505	2.1197
1000	61	20	10	26.900 (1.060)	41.402 (1.630)	43.815 (1.725)	53.975 (2.125)	0.9387	0.680	2.6443	

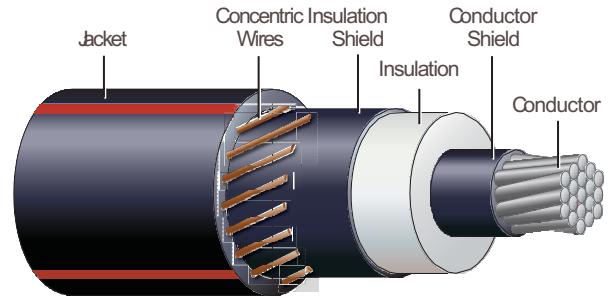
28kV Aluminum Conductor 90° C (100% – .280 in.) Concentric Cable Medium Voltage



Underground Residential Distribution Cable (URD)

28kV Aluminum Conductor 90°C
(100% – .280 in.)

- Conductor – Compressed Aluminum
- Conductor Shield – Semiconducting Layer
- Insulation – TRXLPE
- Insulation Shield – Semiconducting Layer
- Concentric Wires – One-Third and Full Neutral
- Jacket – Nonconducting Polyethylene (LLDPE) with 3 Red Stripes, Semiconducting Available



Aluminum	Conductor		Copper Neutral		Diameter (mm/in) (per CSA C68.5 Appendix C)				Weight (lbs/ft)		
	AWG or kcmil	Number of Strands	Number of Wires	Size AWG	Conductor	Min. over Insulation	Max. over Insulation	Over Embedded Jacket	Conductor	Neutral	Total with Embedded Jacket
Compressed Full Neutral	1/0	19	16	14	9.190 (0.362)	23.241 (0.915)	25.654 (1.010)	31.877 (1.255)	0.0991	0.212	0.7718
	2/0	19	13	12	10.300 (0.406)	24.384 (0.960)	26.797 (1.055)	33.782 (1.330)	0.1249	0.276	0.9016
	3/0	19	16	12	11.600 (0.456)	25.654 (1.010)	28.067 (1.105)	35.052 (1.380)	0.1575	0.340	1.0213
	4/0	19	20	12	13.000 (0.512)	27.051 (1.065)	29.464 (1.160)	36.449 (1.435)	0.1986	0.425	1.1720
Compressed One-Third Neutral	1/0	19	6	14	9.190 (0.362)	23.241 (0.915)	25.654 (1.010)	31.877 (1.255)	0.0991	0.080	0.6542
	2/0	19	7	14	10.300 (0.406)	24.384 (0.960)	26.797 (1.055)	32.893 (1.295)	0.1249	0.093	0.7188
	3/0	19	9	14	11.600 (0.456)	25.654 (1.010)	28.067 (1.105)	34.163 (1.345)	0.1575	0.120	0.8057
	4/0	19	11	14	13.000 (0.512)	27.051 (1.065)	29.464 (1.160)	35.687 (1.405)	0.1986	0.145	0.9050
	250	37	13	14	14.200 (0.558)	28.448 (1.120)	30.861 (1.215)	36.830 (1.450)	0.2347	0.173	0.9933
	350	37	11	12	16.800 (0.661)	31.115 (1.225)	33.528 (1.320)	40.259 (1.585)	0.3286	0.240	1.2274
	500	37	16	12	20.000 (0.789)	34.290 (1.350)	36.703 (1.445)	45.085 (1.775)	0.4694	0.340	1.6091
	750	61	15	10	24.600 (0.968)	39.116 (1.540)	41.529 (1.635)	51.308 (2.020)	0.7040	0.505	2.2056
1000	61	20	10	28.400 (1.117)	42.799 (1.685)	45.339 (1.785)	55.118 (2.170)	0.9387	0.680	2.6941	