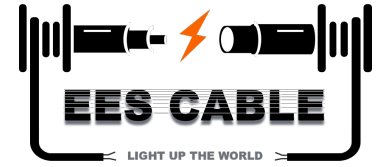


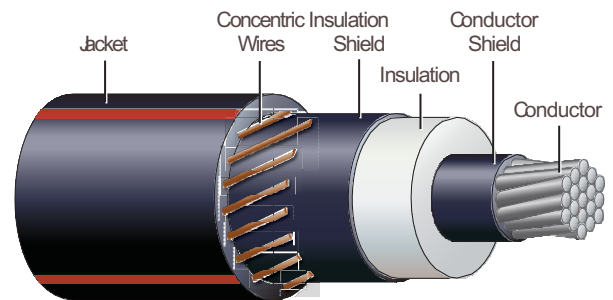
35kV Aluminum Conductor 90° C (100% – .345") Concentric Cable Medium Voltage



Underground Residential Distribution Cable (URD)

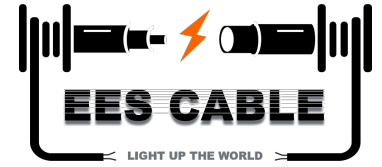
35kV Aluminum Conductor 90°C
(100% – .345")

- Conductor Shield – Semi-Conducting Layer
- Insulation – TRXLPE
- Insulation Shield – Semi-Conducting Layer
- Concentric Wires – One-third and Full Neutral
- Jacket – Non-Conducting Polyethylene (LLDPE) with 3 Red Stripes, Semi-Conducting Available



Aluminum	Conductor		Copper Neutral		Diameter* (per ANSI/ICEAS-94-649)				Weights (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 Without Jacket	Total With Embedded Jacket
Full Neutral	1/0	SOLID	16	14	0.325	1.010	1.110	1.405	0.0972	0.212	0.745	0.934
	1/0	19	16	14	0.362	1.045	1.145	1.430	0.0990	0.212	0.768	0.957
	2/0	19	13	12	0.406	1.090	1.190	1.475	0.1250	0.275	0.885	1.105
	3/0	19	16	12	0.456	1.140	1.240	1.520	0.1575	0.340	1.010	1.231
	4/0	19	20	12	0.512	1.195	1.295	1.575	0.1986	0.425	1.170	1.421
One-Third Neutral	1/0	SOLID	6	14	0.325	1.010	1.110	1.405	0.0972	0.080	0.610	0.817
	1/0	19	6	14	0.362	1.045	1.145	1.430	0.0991	0.080	0.635	0.840
	2/0	19	7	14	0.406	1.090	1.190	1.475	0.1249	0.093	0.703	0.911
	3/0	19	9	14	0.456	1.140	1.240	1.500	0.1575	0.120	0.790	1.003
	4/0	19	11	14	0.512	1.195	1.295	1.575	0.1986	0.145	0.890	1.120
	250	37	13	14	0.558	1.250	1.350	1.705	0.2347	0.173	1.005	1.305
	350	37	11	12	0.661	1.355	1.455	1.810	0.3286	0.240	1.225	1.584
	500	37	16	12	0.789	1.480	1.580	2.000	0.4694	0.340	1.599	2.001
	750	61	15	10	0.968	1.670	1.770	2.190	0.7040	0.506	2.125	2.623
1000	61	20	10	1.117	1.815	1.920	2.380	0.9387	0.681	2.730	3.137	

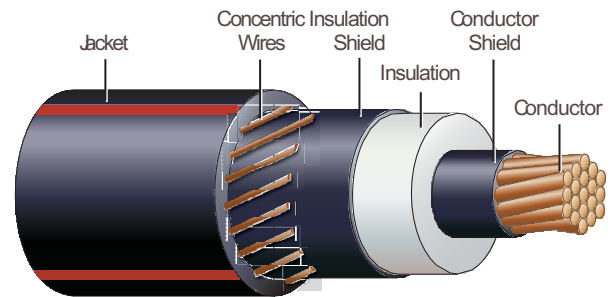
35kV Copper Conductor 90° C (100% – .345") Concentric Cable Medium Voltage



Underground Residential Distribution Cable (URD)

35kV Copper Conductor 90°C
(100% – .345")

- Conductor Shield – Semi-Conducting Layer
- Insulation – TRXLPE
- Insulation Shield – Semi-Conducting Layer
- Concentric Wires – One-third and Full Neutral
- Jacket – Non-Conducting Polyethylene (LLDPE) with 3 Red Stripes, Semi-Conducting Available



Copper	Conductor		Copper Neutral		Diameter* (per ANSI/ICEAS-94-649)				Weights (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 Without Jacket	Total With Embedded Jacket
Full Neutral	1/0	19	16	12	0.362	1.045	1.145	1.465	0.326	0.370	1.218	1.327
	2/0	19	20	12	0.406	1.090	1.190	1.505	0.411	0.463	1.414	1.522
	3/0	19	25	12	0.456	1.140	1.240	1.620	0.518	0.579	1.653	1.760
	4/0	19	20	10	0.512	1.195	1.295	1.720	0.653	0.741	1.992	2.099
One-Third Neutral	1/0	19	9	14	0.362	1.045	1.145	1.430	0.326	0.131	.999	1.102
	2/0	19	11	14	0.406	1.090	1.190	1.475	0.411	0.160	1.139	1.244
	3/0	19	14	14	0.456	1.140	1.240	1.520	0.518	0.203	1.316	1.423
	4/0	19	11	12	0.512	1.195	1.295	1.575	0.653	0.255	1.576	1.707
	250	37	13	12	0.558	1.250	1.350	1.640	0.772	0.301	1.799	1.971
	350	37	12	10	0.661	1.355	1.455	1.845	1.080	0.441	2.269	2.427
	500	37	17	10	0.789	1.480	1.580	2.045	1.544	0.624	3.177	3.337
	750	61	25	10	0.968	1.670	1.770	2.255	2.316	0.918	4.300	4.531
1000	61	26	9	1.117	1.815	1.920	2.600	3.088	1.212	5.435	5.671	