

Medium Voltage Covered Conductor Cable For Tree Wire And Right-of-way

5kV



Phase + Neutral

A -> 0.085" black linear low density polyethylene or gray high density polyethylene

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
#4 AWG	7	Round	0.232	0.402	76
#2 AWG	7	Round	0.292	0.462	111
1/0 AWG	7	Compact	0.336	0.508	151
2/0 AWG	7	Compact	0.376	0.551	183
3/0 AWG	7	Compact	0.423	0.596	222
4/0 AWG	7	Compact	0.475	0.648	270
266.8 kcmil	7	Compact	0.537	0.707	329
336.4 kcmil	19	Compact	0.603	0.777	403
397.5 kcmil	19	Compact	0.659	0.83	467
477.0 kcmil	19	Compact	0.722	0.892	549
556.5 kcmil	19	Compact	0.78	0.95	631
636.0 kcmil	19	Compact	0.835	1.004	712
795.0 kcmil	19	Compact	0.932	1.102	892

5kV TP (For Treed Areas)



A -> 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
#4 AWG	7	Round	0.232	0.562	128
#2 AWG	7	Round	0.292	0.622	170
1/0 AWG	7	Compact	0.336	0.668	215
2/0 AWG	7	Compact	0.376	0.711	251
3/0 AWG	7	Compact	0.423	0.756	297
4/0 AWG	7	Compact	0.475	0.808	351
266.8 kcmil	7	Compact	0.537	0.867	416
336.4 kcmil	19	Compact	0.603	0.937	497
397.5 kcmil	19	Compact	0.659	0.99	568
477.0 kcmil	19	Compact	0.722	1.062	662
556.5 kcmil	19	Compact	0.78	1.12	752
636.0 kcmil	19	Compact	0.835	1.175	839
795.0 kcmil	19	Compact	0.932	1.292	1,049

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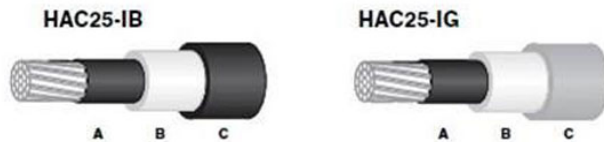
15kV (For Non-Treed Areas)



A -> 0.075" Natural Low Density Polyethylene (0.080" for 795 kcmil)
 B -> 0.075" Black or Gray Track Resistant High Density Polyethylene (0.080" for 795 kcmil)

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
#4 AWG	7	Round	0.232	0.532	114
#2 AWG	7	Round	0.292	0.592	158
1/0 AWG	7	Compact	0.336	0.638	202
2/0 AWG	7	Compact	0.376	0.681	237
3/0 AWG	7	Compact	0.423	0.726	281
4/0 AWG	7	Compact	0.475	0.778	334
266.8 kcmil	7	Compact	0.537	0.837	398
336.4 kcmil	19	Compact	0.603	0.907	478
397.5 kcmil	19	Compact	0.659	0.96	547
477.0 kcmil	19	Compact	0.722	1.022	633
556.5 kcmil	19	Compact	0.78	1.08	721
636.0 kcmil	19	Compact	0.835	1.134	807
795.0 kcmil	19	Compact	0.932	1.252	1,012

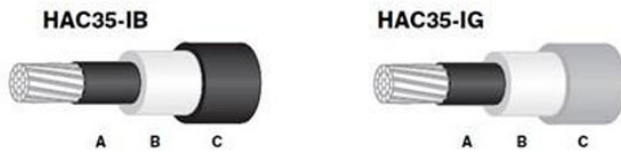
25kV



A -> 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
 B -> 0.125" Natural Low Density Polyethylene
 C -> 0.125" Black or Gray Track Resistant High Density Polyethylene

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
#2 AWG	7	Round	0.292	0.822	270
1/0 AWG	7	Compact	0.336	0.868	321
2/0 AWG	7	Compact	0.376	0.911	363
3/0 AWG	7	Compact	0.423	0.956	414
4/0 AWG	7	Compact	0.475	1.008	476
266.8 kcmil	7	Compact	0.537	1.067	550
336.4 kcmil	19	Compact	0.603	1.137	640
397.5 kcmil	19	Compact	0.659	1.19	718
477.0 kcmil	19	Compact	0.722	1.262	815
556.5 kcmil	19	Compact	0.78	1.32	912
636.0 kcmil	19	Compact	0.835	1.374	1,005
795.0 kcmil	19	Compact	0.932	1.472	1,211

35kV



- A -> 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B -> 0.175" Natural Low Density Polyethylene
- C -> 0.125" Black or Gray Track Resistant High Density Polyethylene

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
1/0 AWG	7	Compact	0.336	0.968	384
2/0 AWG	7	Compact	0.376	1.011	429
3/0 AWG	7	Compact	0.423	1.056	483
4/0 AWG	7	Compact	0.475	1.108	548
266.8 kcmil	7	Compact	0.537	1.167	625
336.4 kcmil	19	Compact	0.603	1.237	721
397.5 kcmil	19	Compact	0.659	1.29	803
477.0 kcmil	19	Compact	0.722	1.362	903
556.5 kcmil	19	Compact	0.78	1.42	1,004
636.0 kcmil	19	Compact	0.835	1.476	1,102
795.0 kcmil	19	Compact	0.932	1.572	1,315

46kV



- A -> 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B -> 0.225" Natural Low Density Polyethylene
- C -> 0.175" Black or Gray Track Resistant High Density Polyethylene

Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000ft)
1/0 AWG	7	Compact	0.336	1.168	509
2/0 AWG	7	Compact	0.376	1.211	557
3/0 AWG	7	Compact	0.423	1.256	616
4/0 AWG	7	Compact	0.475	1.308	687
266.8 kcmil	7	Compact	0.537	1.367	773
336.4 kcmil	19	Compact	0.603	1.437	874
397.5 kcmil	19	Compact	0.659	1.49	963
477.0 kcmil	19	Compact	0.722	1.562	1,091
556.5 kcmil	19	Compact	0.78	1.62	1,198
636.0 kcmil	19	Compact	0.835	1.676	1,314
795.0 kcmil	19	Compact	0.932	1.772	1,511