

Appendix B

Concentric Neutral 15 kV Cable

Conductor Size AWG or kcmil	Diameter over Insulation Inches	Diameter over Screen Inches	Outside Diameter Inches	Copper Neutral No. x AWG	Ampacity UG Duct Amps
<i>Full Neutral</i>					
2(7×)	0.78	0.85	0.98	10 × 14	120
1(19×)	0.81	0.89	1.02	13 × 14	135
1/0(19×)	0.85	0.93	1.06	16 × 14	155
2/0(19×)	0.90	0.97	1.13	13 × 12	175
3/0(19×)	0.95	1.02	1.18	16 × 12	200
4/0(19×)	1.01	1.08	1.28	13 × 10	230
250(37×)	1.06	1.16	1.37	16 × 10	255
350(37×)	1.17	1.27	1.47	20 × 10	300
<i>1/3 Neutral</i>					
2(7×)	0.78	0.85	0.98	6 × 14	135
1(19×)	0.81	0.89	1.02	6 × 14	155
1/0(19×)	0.85	0.93	1.06	6 × 14	175
2/0(19×)	0.90	0.97	1.10	7 × 14	200
3/0(19×)	0.95	1.02	1.15	9 × 14	230
4/0(19×)	1.01	1.08	1.21	11 × 14	240
250(37×)	1.06	1.16	1.29	13 × 14	260
350(37×)	1.17	1.27	1.39	18 × 14	320
500(37×)	1.29	1.39	1.56	16 × 12	385
750(61×)	1.49	1.59	1.79	15 × 10	470
1000(61×)	1.64	1.77	1.98	20 × 10	550

Tape-Shielded 15 kV Cable
Tape Thickness = 5 mils

Conductor Size AWG or kcmil	Diameter over Insulation Inches	Diameter over Screen Inches	Jacket Thickness mils	Outside Diameter Inches	Ampacity in UG Duct Amps
1/0	0.82	0.88	80	1.06	165
2/0	0.87	0.93	80	1.10	190
3/0	0.91	0.97	80	1.16	215
4/0	0.96	1.02	80	1.21	245
250	1.01	1.08	80	1.27	270
350	1.11	1.18	80	1.37	330
500	1.22	1.30	80	1.49	400
750	1.40	1.48	110	1.73	490
1000	1.56	1.66	110	1.91	565