

CN 35 kV 100% 1/3 Neutral (UD) Physical Data

Conductor Size		Stranding (No of Wires)	Insulation Diameter	Concentric Neutral*		Minimum Jacket Thickness (mm)	Approx Jacket Diameter (mm)	Approx Cable Weight (kg/km)
AWG or kcmil	mm ²			Nom (mm)	No of Wires			
CN 35 KV 100% ALUMINUM 1/3 NEUTRAL (UD)								
1/0	53.5	solid	26.9	6	14	1.14	34.8	1146
1/0	53.5	18	27.2	6	14	1.14	35.0	1161
2/0	67.4	18	28.2	7	14	1.14	36.5	1310
3/0	85.0	18	29.3	9	14	1.14	37.7	1444
4/0	107	18	30.7	11	14	1.14	39.1	1600
250	127	35	32.1	13	14	1.14	40.4	1890
300	152	35	33.3	15	14	1.14	41.7	2083
350	177	35	34.5	18	14	1.78	44.3	2388
400	203	35	35.6	20	14	1.78	45.3	2575
500	253	35	37.6	25	14	1.78	47.3	2954
600	304	58	39.8	19	12	1.78	50.3	3430
750	380	58	42.2	24	12	1.78	53.5	4078
1000	507	58	46.0	20	10	1.78	58.5	5104
CN 35 KV 100% COPPER 1/3 NEUTRAL (UD)								
1/0	53.5	solid	26.9	9	14	1.14	34.8	1533
1/0	53.5	18	27.2	9	14	1.14	35.0	1555
2/0	67.4	18	28.2	11	14	1.14	36.5	1801
3/0	85.0	18	29.3	14	14	1.14	37.7	2069
4/0	107	18	30.7	18	14	1.14	39.1	2396
250	127	35	32.1	21	14	1.14	40.4	2828
300	152	35	33.3	25	14	1.14	41.7	3214
350	177	35	34.5	18	12	1.78	45.1	3758
400	203	35	35.6	21	12	1.78	46.2	4152
500	253	35	37.6	26	12	1.78	48.2	4903
600	304	58	39.8	20	10	1.78	51.4	5789
750	380	58	42.2	25	10	1.78	54.6	7009
1000	507	58	46.0	26	9	1.78	59.1	8922
Notes:								
* The number of wires is increased where necessary to comply with the CSA 7.0 mm maximum CN wire-to-wire spacing limit.								