

CT Sizing Table	
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	20171127	Version	V1.2
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Cable Type - PVC Insulated						
Cable Size in mm2	Diameter in mm	Current Carrying Capacity *	MAX kWp	CT to suit one (1) cable	Current Carrying Capacity of 2 x cables **	CT to suit two (2) cables
4	4.5	31	20	10mm 60A	62	10mm 60A (SC)
6	5.1	40	25	10mm 60A	80	10mm 60 A (KR)
10	6.0	54	30	10mm 60A	108	10mm 60 A (KR)
16	6.9	72	50	16mm 120 A	144	16mm 120 A (KR)
25	8.4	97	65	16mm 120 A	194	16mm 120 A (KR)
35	9.4	119	80	16mm 120 A	238	16mm 120 A (KR)
50	10.9	146	100	25 mm 200 A	292	25mm 200 A (KR)
70	12.4	184	125	25 mm 200 A	368	25mm 200 A (KR)
95	15.2	230	150	25 mm 400 A	460	25mm 400A (KR)
120	17.3	267	180	25 mm 400 A	534	25mm 400A (KR)
150	18.8	308	210	25 mm 400 A	616	25mm 400A (KR)
185	21.1	358	240	25 mm 400 A	716	25mm 400A (KR)
240	24.1	428	295	35 mm 600 A	856	35mm 600A (KR)
300	26.7	495	340	35 mm 600 A	990	35mm 600A (KR)
-	-	3000	2,000	110mm 3000 A		Rogowski

Cable Type - SDI						
Cable Size in mm2	Diameter in mm	Current Carrying Capacity *	MAX kWp	CT to suit one (1) cable		CT to suit two (2) cables
4	6	31	20	10mm 60A		16 mm 120 A
6	6.6	40	25	10mm 60A		16mm 120 A
10	7.8	54	30	10mm 60A		25 mm 400 A
16	8.9	72	50	16mm 120 A		25 mm 400 A

Cable Type - XLPE-CU						
Cable Size in mm ²	Diameter in mm	Current Carrying Capacity *	MAX kWp	CT to suit one (1) cable	Current Carrying Capacity of 2 x cables **	CT to suit two (2) cables
16	9.3	86	55	16mm 120 A	172	25 mm 400 A (SC)
25	10.5	117	80	16mm 120 A	234	16mm 120A (KR)
35	11.5	144	100	25 mm 200 A	288	25mm 200A (KR)
50	12.9	176	120	25 mm 200 A	352	25mm 200A (KR)
70	14.7	224	150	25 mm 400 A	448	25mm 400A (KR)
95	17.2	278	190	25 mm 400 A	556	25mm 400A (KR)
120	19.6	325	225	25 mm 400 A	650	25mm 400A (KR)
150	21.3	375	255	25 mm 400 A	750	25mm 400A (KR)
185	23.5	435	300	35 mm 600 A	870	35mm 600A (KR)
240	26.6	521	360	35 mm 600 A	1042	35mm 600A (KR)
300	29.4	602	415	35 mm 600 A	1204	35mm 600A (KR)
400	33.3	700	480	110mm 3000 A	1400	Rogowski
500	37.0	810	560	110mm 3000 A	1620	Rogowski
630	41.4	940	650	110mm 3000 A	1880	Rogowski
-	-	3000	2,000	110mm 3000 A		Rogowski

The 3000 Amp Rogowski Coil has an internal diameter of 110mm. It suits either single cable, multi cable or bus bar up to 125mm

*Current Carrying Capacity from AS/NZS 3008.1.1
(assuming cables 'Unenclosed' & 'Touching')

****Current Carrying Capacity is simply calculated as 2 x single cable Amps.
Assumes the supply is 3 phase, therefore requires a KR-63 unit (6 CTs)**