



## DESIGN GUIDE FOR SELECTING CABLE SIZES FOR 600 VOLT, 3 PHASE MOTORS

HP @ 600V	F.L.A.	F.L.A. X 125%	NUMBER OF CONDUCTORS IN CABLE TRAY				
			43+	25-42	7-24	4-6	1-3
			DERATING FACTOR				
			0.5	0.6	0.7	0.8	1.0
1.5	2.1	2.6	5.3	4.4	3.8	3.3	2.6
3.0	3.9	4.9	9.8	8.1	7.0	6.1	4.9
5.0	6.1	7.6	15.3	12.7	10.9	9.5	7.6
7.5	9.0	11.3	22.5	18.8	16.1	14.1	11.3
10.0	11.0	13.8	27.5	22.9	19.6	17.2	13.8
15.0	17.0	21.3	42.5	35.4	30.4	26.6	21.3
20.0	22.0	27.5	55.0	45.8	39.3	34.4	27.5
25.0	27.0	33.8	67.5	56.3	48.2	42.2	33.8
30.0	32.0	40.0	80.0	66.7	57.1	50.0	40.0
40.0	41.0	51.3	102.5	85.4	73.2	64.1	51.3
50.0	52.0	65.0	130.0	108.3	92.9	81.3	65.0
60.0	62.0	77.5	155.0	129.2	110.7	96.9	77.5
75.0	77.0	96.3	192.5	160.4	137.5	120.3	96.3
100.0	99.0	123.8	247.5	206.3	176.8	154.7	123.8
125.0	125.0	156.3	312.5	260.4	223.2	195.3	156.3
150.0	144.0	180.0	360.0	300.0	257.1	225.0	180.0
200.0	192.0	240.0	480.0	400.0	342.9	300.0	240.0

TECK CABLE RW90	CABLE AMPS
3C14	15
3C12	20
3C10	30
3C8	45
3C6	65
3C4	85
3C2	120
3C1	140
3C1/0	155
3C2/0	185
3C4/0	235
3C250	265
3C300	295
3C350	325
3C400	345
3C500	395
3C750	500

REFERENCE: CEC RULES 4-004, 12-2212, 8-104, 12-012, 26-000, 26-744, 42-008, 42-016  
AND CEC TABLES 19 AND APPENDIX D3, GOULD CDN INC., GEC CDN INC., ALLEN BRADLEY