

**Approximate Short-Time Fusing Currents
of Dead Soft Annealed Copper Clad Steel Conductors**

Conductor Size AWG	Duration of Current in Cycles or Seconds - Current in Amperes					
	3 Cycles (.05 second)	6 Cycles (.10 second)	9 Cycles (.15 second)	30 Cycles (.5 second)	60 Cycles (1.0second)	120 Cycles (2.0 seconds) -
40% Conductivity						
19 No. 5	330,000	234,000	191,000	104,000	74,000	52,000
19 No.6	262,000	185,000	161,000	83,000	59,000	41,000
19 No.7	208,000	147,000	121,000	66,000	46,000	33,000
19 No.8	165,000	117,000	95,000	52,000	37,000	26,000
19 No.9	131,000	92,000	75,000	41,000	29,000	21,000
7 No. 4	154,000	109,000	89,000	49,000	34,000	24,000
7 No. 5	122,000	86,000	70,000	38,000	27,000	19,000
7 No.6	97,000	68,000	56,000	31,000	22,000	15,000
7 No. 7	77,000	54,000	44,000	24,000	17,000	12,000
7 No. 8	61,000	43,000	35,000	19,000	14,000	10,000
7 No.9	48,000	34,000	28,000	15,000	11,000	7,600
7 No. 10	38,000	27,000	22,000	12,000	8,500	6,000
No. 2 Wire	35,000	25,000	20,000	11,000	7,800	5,500
No. 4 Wire	22,000	16,000	13,000	6,900	4,900	3,500
No. 6 Wire	14,000	9,600	8,000	4,400	3,100	2,200
30% Conductivity						
19 No. 5	294,000	208,000	170,000	93,000	66,000	47,000
19 No. 6	233,000	165,000	135,000	74,000	52,000	37,000
19 No. 7	185,000	131,000	107,000	58,000	41,000	29,000
19 No. 8	147,000	104,000	85,000	46,000	33,000	23,000
19 No. 9	116,000	82,000	67,000	37,000	26,000	18,000
7 No. 4	137,000	97,000	79,000	43,000	31,000	22,000
7 No.5	108,000	77,000	63,000	34,000	24,000	17,000
7 No. 6	86,000	61,000	50,000	27,000	19,000	14,000
7 No. 7	68,000	48,000	39,000	22,000	15,000	11,000
7 No. 8	54,000	38,000	31,000	17,000	12,000	9,000
7 No. 9	43,000	30,000	25,000	14,000	9,600	6,800
7 No. 10	34,000	24,000	20,000	11,000	7,600	5,400
No. 2 Wire	31,000	22,000	18,000	9,800	6,900	4,900
No. 4 Wire	20,000	14,000	11,000	6,200	4,400	3,100
No.6 Wire	12,000	9,000	7,100	3,900	2,700	1,900