

ALUMINUM CONDUCTOR SIZES FOR VOLTAGE DROP

(These are based on 3% voltage drop and a load of (80%) of main breaker rating)

THIS CHART IS BASED ON 240 VOLT SUPPLY

CONDUCTOR SIZE	100 AMP (80)	150 AMP (120)	200 AMP (160)
2	140 ft.	N/A	N/A
1	110 ft.	N/A	N/A
1/0	220 ft.	145 ft.	110 ft.
2/0	280 ft.	185 ft.	140 ft.
3/0	355 ft.	235 ft.	175 ft.
4/0	445 ft.	295 ft.	220 ft.
250mcm	530 ft.	350 ft.	265 ft.
300mcm	635 ft.	420 ft.	315 ft.
350mcm	740 ft.	495 ft.	370 ft.
400mcm	845 ft.	565 ft.	420 ft.
500mcm	1050 ft.	700 ft.	530 ft.

MISCELLANEOUS SIZES FOR COPPER CONDUCTOR = 120 VOLT SUPPLY

COPPER CONDUCTOR SIZE	12 AMP LOAD (1500 watt)	6 AMP (750 watt)
14	50 ft.	100 ft.
12	75 ft.	150 ft.
10	120 ft.	240 ft.
8	200 ft.	380 ft.
6	300 ft.	610 ft.