

Installer Wire Calculator

This diagram suggested installer what wire gauge thickness to use with different applications.

Example: Led bar with 20 amp consumption, can use up to:
5 feet 12 gauge ** 9 feet 12 gauge ** 13 feet 10 gauge

Gauge		5Amp	10 amp	15 amp	20amp	25 amp
16 AWG	13.8v	5-13 feet				
16 AWG	13.8v		0-6.5 feet			
16 AWG	13.8v			0-5 feet		
14AWG	13.8v	0-21 feet	0-21 feet			
14AWG	13.8v			0-7 feet		
14AWG	13.8v				0-5 feet	
12AWG	13.8v	0-34 feet	0-17 feet			
12AWG	13.8v			0-11.5 feet		
12AWG	13.8v				0-9 feet	
10AWG	13.8v	0-55 fet	0-27 feet			
10AWG	13.8v			0-18 feet		
10AWG	13.8v					
10AWG	13.8v				0-13feet	
10AWG	13.8v					0-11 feet