



RECOMMENDED CIRCUIT LENGTHS FOR VOLTAGE DROP*

Wire Size (AWG)	Rating of Circuit Breaker Of Fuse in Amperers										
	15	20	30	40	50	60	70	80	90	100	
COPPER	14	22.4									
	12	35.5	26.8								
	10	56.4	42.3	28.4							
	8	89.8	67.4	28.1	33.7						
	6	142.6	107.0	71.3	53.5	42.8	35.7				
	4	227.1	170.4	113.6	85.2	68.1	56.8	48.7	42.6		
	2	361.1	270.8	180.5	135.4	108.3	90.3	77.4	67.2	60.2	54.2
ALU	6	89.8	67.4	28.1	33.7	27.0	22.5				
	4	142.6	107.0	71.3	53.5	42.8	35.7				
	2	227.1	170.4	113.6	85.2	68.1	56.8	48.7	42.6	37.9	34.1

*Recommended maximum circuit lengths in feet for voltage systems of 120 volts. For 240 - volt systems, circuit lengths may be doubled.
NOTE: Extremely long circuits can produce voltage losses whereby some electrical equipment may not operate properly. Following these recommended values should provide reasonable efficiency of operation.
 This information courtesy of Southwire.

Information is provided as a guideline only. Check your local code.