

1. — On the left, locate the current you will be dealing with (either array or load current.) 2. — Move across to locate distance to be traveled. 3. — Move up to locate size of wire to be used.

## **Wire Sizing Chart 12 Volt System**

Maximum one-way distance (feet) for 5% voltage loss in 12 volt systems. Wire Size (AWG)

<b>Amps</b>	<b>14</b>	<b>12</b>	<b>10</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>00</b>	<b>000</b>	<b>0000</b>
<b>1</b>	106	169	269	427	679	1080	1717	2166	2730	3444	4342	5475
<b>2</b>	53	85	134	214	340	540	859	1083	1365	1722	2171	2738
<b>4</b>	27	42	67	107	170	270	429	542	682	861	1086	1369
<b>6</b>	18	28	45	71	113	180	286	361	455	574	724	913
<b>8</b>	13	21	34	53	85	135	215	271	341	430	543	684
<b>10</b>	11	17	27	43	68	108	172	217	273	344	434	548
<b>15</b>	7	11	18	28	45	72	114	144	182	230	289	365
<b>20</b>	—	8	13	21	34	54	86	108	136	172	217	274
<b>25</b>	—	—	11	17	27	43	69	87	109	138	174	219
<b>30</b>	—	—	9	14	23	36	57	72	91	115	145	183
<b>35</b>	—	—	—	12	19	31	49	62	78	98	124	156
<b>40</b>	—	—	—	—	17	27	43	54	68	86	109	137
<b>45</b>	—	—	—	—	15	24	38	48	61	77	96	122
<b>50</b>	—	—	—	—	14	22	34	43	55	69	87	110