

## Factors Used to Calculate Approximate Voltage Drop

Table I: 600V Copper Conductors in Metallic Conduit

SIZE AWG OR MCM	DIRECT CURRENT	Single Phase 60 Cycles		Triple Phase 60 Cycles	
		100% POWER FACTOR	80% POWER FACTOR	100% POWER FACTOR	80% POWER FACTOR
14	6100	6100	4964	5250	4300
12	3828	3828	3138	3320	2720
10	2404	2404	2003	2080	1773
8	1520	1520	1295	1216	1120
6	970	970	850	840	735
4	614	614	562	531	487
3	484	484	480	420	398
2	382	382	372	331	322
1	306	306	312	265	270
1/0	241	243	261	210	226
2/0	192	194	219	168	190
3/0	152	155	187	135	162
4/0	121	123	159	107	138
250	102	105	145	91	126
300	85	88	131	76	114
350	73	76	122	66	106
400	64	67	115	58	100
500	51	54	102	47	89
600	43	47	95	41	84
750	34	39	87	34	77
1000	26	30	81	23	71

**Table II: 600V Copper Conductors in Non-Metallic Conduit****Single Phase 60 Cycles****Triple Phase 60 Cycles**

SIZE AWG OR MCM	DIRECT CURRENT	100% POWER FACTOR	80% POWER FACTOR	100% POWER FACTOR	80% POWER FACTOR
14	6100	6100	4964	5280	4300
12	3828	3828	3138	3320	2720
10	2404	2404	2003	2080	1733
8	1520	1520	1295	1316	1120
6	970	970	850	840	735
4	614	614	562	531	487
3	484	484	460	420	398
2	382	382	372	331	322
1	306	306	312	265	270
1/0	241	243	261	210	226
2/0	192	194	219	168	190
3/0	152	155	187	135	162
4/0	121	123	159	107	138
250	102	105	145	91	126
300	85	88	131	76	114
350	73	76	122	66	106
400	64	67	115	58	100
500	51	54	102	47	89
600	41	47	98	41	83
750	34	39	88	34	76
1000	26	30	81	26	70