

VOLTAGE DROP

Voltage Drop at maximum conductor operating temperature in V/A/KM

Conductor Size	1 Core unarmored cables				1 Core Armored (Trefoil)	2 Core Unarmored & Armored	3 & 4 Un-armored & Armored
	Sq. mm	1 Ph(A)	3 Ph(B)	1 Ph(C)	3 Ph(D)	3 Ph	1 Ph
1.5	31	27	31	27	27	31	27
2.5	19	16	19	16	16	19	16
4	12	10	12	10	10	12	10
6	7.9	6.8	7.9	6.8	6.8	7.9	6.8
10	4.7	4.0	4.7	4.0	4	4.7	4.0
16	2.9	2.5	2.9	2.5	2.5	2.9	2.5
25	1.90	1.65	1.85	1.60	1.60	1.90	1.65
35	1.35	1.15	1.35	1.15	1.15	1.35	1.15
50	1.05	0.90	1.00	0.87	0.87	1.00	0.87
70	0.75	0.65	0.71	0.61	0.62	0.69	0.6
95	0.58	0.50	0.52	0.45	0.47	0.52	0.45
120	0.48	0.42	0.43	0.37	0.39	0.42	0.37
150	0.43	0.37	0.36	0.31	0.33	0.35	0.30
185	0.37	0.32	0.307	0.26	0.28	0.29	0.26
240	0.33	0.29	0.25	0.22	0.24	0.24	0.21
300	0.31	0.27	0.22	0.195	0.21	0.21	0.185
400	0.29	0.25	0.20	0.175	0.20	0.190	0.165
500	0.28	0.24	0.185	0.160	0.18	-	-
630	0.27	0.23	0.175	0.150	0.17	-	-

A -----> 2 cables, enclosed in Conduit or trucking.

B -----> 3 or 4 cables, enclosed in Conduit or trucking.

C -----> 2 cables, clipped direct, on tray or in free air (Cable Touching)

D -----> 3 or 4 cables, clipped direct, on tray or in free air (Cable Touching, trefoil)