

CURRENT CARRYING CAPACITY

**XLPE INSULATED PVC SHEATHED
MULTI-CORE ARMoured CABLE**

VOLTAGE 600/1000 V

AMBIENT TEMPERATURE 30°C

GROUND TEMPERATURE 20 °C

CONDUCTOR OPERATING TEMPERATURE 90°C

CURRENT CARRYING CAPACITY

Size of Conductor	On Perforated Cable Tray		Direct In Ground or In Duct In Ground	
	1 two-core cable 1 phase ac or dc	1 three or four-core cable 3 phase ac	1 two core cable 1 phase ac or dc	1 three or four-core cable 3 phase ac
(mm ²)	(amp)	(amp)	(amp)	(amp)
1.5	29	25	25	21
2.5	39	33	33	28
4	52	44	43	36
6	66	56	53	44
10	90	78	71	58
16	115	99	91	75
25	152	131	116	96
35	188	162	139	115
50	228	197	164	135
70	291	251	203	167
95	354	304	239	197
120	410	353	271	223
150	472	406	306	251
185	539	463	343	281
240	636	546	395	324
300	732	628	446	365
400	847	728		

VOLTAGE DROP

VOLTAGE DROP (PER AMP PER METER)

Conductor cross-section area	Two-core cable,dc	Two-core cable, single-phase a.c	Three- or four-core, three-phase a.c
1	2	3	4
(mm ²)	(mv/A/m)	(mv/A/m)	(mv/A/m)
1.5	31	31	27
2.5	19	19	16
4	12	12	10
6	7.9	7.9	6.8
10	4.7	4.7	4
16	2.9	2.9	2.5
25	1.85	1.90	1.65
35	1.35	1.35	1.15
50	0.98	1.00	0.87
70	0.67	0.69	0.60
95	0.49	0.52	0.45
120	0.39	0.42	0.37
150	0.31	0.35	0.30
185	0.25	0.29	0.26
240	0.195	0.24	0.21
300	0.155	0.21	0.185
400	0.120	0.190	0.165

Note : Correction factors for ambient temperature and group installation, please refer Page B-1