

0.6/1 KV CABLES

Current Carrying Capacity (AMPERE)

Nominal Cross Section mm ²	For PVC Insulated Cables						5 Core & Above
	3 & 4 Core Cables		2 Core Cables		Single Core Cables		
	In Ground	In Air	In Ground	In Air	In Ground	In Air	
1.5	26	18.5	32	20	40	26	For Multi Core Cables See Table Below
2.5	34	25	42	27	54	35	
4	44	34	54	37	70	46	
6	56	43	68	48	90	58	
10	75	60	90	66	122	79	
16	98	80	116	89	160	105	
25	128	106	150	118	206	140	
35	157	131	181	145	249	174	
50	185	159	215	176	296	212	
70	228	202	264	224	365	269	
95	275	244	317	271	438	331	
120	313	282	360	314	499	386	
150	353	324	406	361	561	442	
185	399	371	458	412	637	511	
240	464	436	537	484	743	612	
300	524	481	609	549	843	707	
400	600	560	729	657	986	859	
500	-	-	-	749	1125	1000	

Nominal Cross Section mm ²	For XLPE Insulated Cables						5 Core & Above
	3 & 4 Core Cables		2 Core Cables		Single Core Cables		
	In Ground	In Air	In Ground	In Air	In Ground	In Air	
1.5	30	24	37	26	38	32	For Multi Core Cables See Table Below
2.5	40	32	49	35	51	43	
4	52	41	67	46	66	56	
6	64	53	78	59	82	71	
10	86	73	103	80	109	96	
16	111	96	131	107	139	128	
25	143	130	168	145	179	173	
35	173	160	199	177	213	212	
50	205	195	238	216	251	258	
70	252	247	292	274	307	328	
95	303	305	349	339	366	404	
120	346	355	398	395	416	471	
150	390	407	449	453	465	541	
185	441	469	506	521	526	626	
240	511	551	591	612	610	749	
300	580	638	674	728	689	864	
400	663	746	806	875	788	1018	
500	-	-	-	-	889	1173	

Above current carrying capacities are based on the following conditions:

Laying in Conduit

Ambient temperature : 30°C
Load factor : 1.0

Laying in Soil

Ambient temperature : 20°C
Load factor : 0.7
Thermal resistivity of the soil : 1 K.m/W

Laying in Air

Ambient temperature : 30°C
Load factor : 1.0
Depth of Laying : 70 cm
Flat Formation clearance : 7 cm

Cables are protected from direct sunlight

Rating factors for multicore cables

No. of Cores	5	7	10	14	19	24	40	61
Factors in Ground	0.7	0.6	0.5	0.45	0.4	0.35	0.3	0.25
Factors in Air	0.75	0.65	0.55	0.5	0.45	0.4	0.35	0.3