

GRID INDIA POWER CABLES PVT. LTD.



1 CORE COPPER PVC ARMoured POWER CABLES																
No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)	Max. D.C. Resistance at 20 (Ohms/Km)	Max. A.C. Resistance at 70 (Ohms/Km)	Approx. Reactance at 50 Hz (Ohms / Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS					
											Direct in Ground		In Duct		In Air	
											2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1C x 4	1	1.3	1.40	1.24	11	178	4.61	5.52	0.158	0.47	46	39	42	38	43	35
1C x 6	1	1.3	1.40	1.24	12	212	3.08	3.69	0.148	0.56	57	49	54	48	54	44
1C x 10	6	1.3	1.40	1.24	13	264	1.83	2.19	0.138	0.67	75	65	72	64	72	60
1C x 16	6	1.3	1.40	1.24	14	325	1.15	1.38	0.128	0.81	94	85	92	83	92	82
1C x 25	6	1.5	1.40	1.24	15	448	0.727	0.870	0.120	0.87	125	110	120	110	125	110
1C x 35	6	1.5	1.40	1.24	16	555	0.524	0.627	0.114	1.00	150	135	140	125	155	130
1C x 50	6	1.7	1.40	1.24	18	705	0.387	0.463	0.110	1.03	180	155	165	150	190	165
1C x 70	12	1.7	1.40	1.40	20	941	0.268	0.321	0.103	1.21	220	190	200	175	235	205
1C x 95	15	1.9	1.60	1.40	22	1260	0.193	0.231	0.101	1.27	265	220	230	200	275	245
1C x 120	18	1.9	1.60	1.40	24	1512	0.153	0.184	0.096	1.42	300	250	255	220	310	280
1C x 150	18	2.1	1.60	1.40	27	1819	0.124	0.149	0.094	1.42	340	280	280	245	345	320
1C x 185	30	2.3	1.60	1.40	28	2271	0.0991	0.120	0.092	1.44	380	305	305	260	390	370
1C x 240	34	2.5	1.60	1.56	31	2854	0.0754	0.0912	0.090	1.53	420	345	340	285	445	425
1C x 300	34	2.8	2.00	1.56	35	3464	0.0601	0.0739	0.088	1.56	465	375	370	310	500	475
1C x 400	53	3.0	2.00	1.56	39	4426	0.0470	0.0592	0.088	1.56	500	400	405	335	570	550
1C x 500	53	3.4	2.00	1.72	40	5504	0.0366	0.0468	0.087	1.57	540	425	430	355	610	590
1C x 630	53	3.9	2.00	1.88	48	7161	0.0283	0.0379	0.086	1.57	590	470	465	375	680	660
1C x 800	53	3.9	2.00	1.88	52	9000	0.0221	0.0314	0.083	1.75	664	530	523	425	766	743
1C x 1000	53	4.0	2.50	2.04	57	11091	0.0176	0.0271	0.082	1.94	733	585	579	467	856	830