

GRID INDIA POWER CABLES PVT. LTD.



1 CORE COPPER PVC UNARMoured POWER CABLES													
No. of Cores and cross section area	Normal Dimensions of Armour Wire	Overall Diameter (approx.) (mm)	Net Wt. of Cable (Approx.) (Kg/Km)	Max. D.C. Resistance at 20 (Ohms/Km)	Max. A.C. Resistance at 70 (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/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	1.80	8	115	4.61	5.52	0.158	0.47	46	39	42	38	43	35
1C x 6	1.80	9	143	3.08	3.69	0.148	0.56	57	49	54	48	54	44
1C x 10	1.80	10	189	1.83	2.19	0.138	0.67	75	65	72	64	72	60
1C x 16	1.80	11	246	1.15	1.38	0.128	0.81	94	85	92	83	92	82
1C x 25	1.80	12	357	0.727	0.87	0.120	0.87	125	110	120	110	125	110
1C x 35	1.80	13	456	0.524	0.627	0.114	1.00	150	135	140	125	155	130
1C x 50	1.80	15	595	0.387	0.463	0.110	1.03	180	155	165	150	190	165
1C x 70	1.80	17	802	0.268	0.321	0.103	1.21	220	190	200	175	235	205
1C x 95	1.80	19	1083	0.193	0.231	0.101	1.27	265	220	230	200	275	245
1C x 120	2.00	21	1332	0.153	0.184	0.096	1.42	300	250	255	220	310	280
1C x 150	2.00	23	1616	0.124	0.149	0.094	1.42	340	280	280	245	345	320
1C x 185	2.00	25	2048	0.0991	0.120	0.092	1.44	380	305	305	260	390	370
1C x 240	2.00	28	2562	0.0754	0.0912	0.090	1.53	420	345	340	285	445	425
1C x 300	2.00	30	3159	0.0601	0.074	0.088	1.56	465	375	370	310	500	475
1C x 400	2.20	35	4019	0.0470	0.0592	0.088	1.56	500	400	405	335	570	550
1C x 500	2.20	39	4996	0.0366	0.0468	0.087	1.57	540	425	430	355	610	590
1C x 630	2.40	44	6570	0.0283	0.0379	0.086	1.57	590	470	465	375	680	660
1C x 800	2.40	48	8248	0.0221	0.0314	0.083	1.75	664	530	523	425	766	743
1C x 1000	2.60	53	10219	0.0176	0.0271	0.082	1.94	733	585	579	467	856	830