

GRID INDIA POWER CABLES PVT. LTD.



2 CORE ALUMINIUM PVC UNARMoured POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Min. Thickness of PVC Innersheath (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20 Deg. C	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
											Amps	Amps	Amps
2C x 1.5	1	0.80	0.30	1.80	10.40	170	18.10	21.72	0.126	0.140	18	16	16
2C x 2.5	1	0.90	0.30	1.80	11.90	210	12.10	14.52	0.119	0.150	25	21	21
2C x 4	1	1.00	0.30	1.80	13.40	265	7.41	8.89	0.116	0.160	32	27	27
2C x 6	1	1.00	0.30	1.80	14.40	320	4.61	5.53	0.110	0.190	40	34	35
2C x 10	1	1.00	0.30	1.80	15.90	390	3.08	3.70	0.100	0.220	55	45	47
2C x 16	6	1.00	0.30	1.80	17.80	330	1.91	2.29	0.097	0.290	70	58	59
2C x 25	6	1.20	0.30	2.00	18.70	460	1.20	1.44	0.097	0.320	90	76	78
2C x 35	6	1.20	0.30	2.00	20.20	550	0.868	1.04	0.097	0.370	110	92	99
2C x 50	6	1.40	0.30	2.00	22.70	690	0.641	0.77	0.094	0.370	135	115	125
2C x 70	12	1.40	0.30	2.00	25.30	850	0.443	0.53	0.090	0.440	160	140	150
2C x 95	15	1.60	0.40	2.20	29.00	1125	0.320	0.38	0.090	0.440	190	170	185
2C x 120	15	1.60	0.40	2.20	31.00	1310	0.253	0.30	0.087	0.490	210	190	210
2C x 150	15	1.80	0.40	2.40	34.50	1575	0.206	0.25	0.087	0.490	240	210	240
2C x 185	30	2.00	0.50	2.40	37.50	1910	0.164	0.20	0.087	0.490	275	240	275
2C x 240	30	2.20	0.50	2.60	42.50	2365	0.125	0.15	0.087	0.500	320	275	325
2C x 300	30	2.40	0.60	2.80	46.50	2960	0.100	0.12	0.086	0.520	355	305	365
2C x 400	53	2.60	0.70	3.20	52.50	3755	0.0778	0.09	0.086	0.530	385	345	420