

GRID INDIA POWER CABLES PVT. LTD.



3 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 (Ohm/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
											Amps	Amps	Amps
3C x 1.5	1	0.80	0.30	1.80	11.00	190	18.10	21.72	0.126	0.140	16	14	13
3C x 2.5	1	0.90	0.30	1.80	12.00	230	12.10	14.52	0.119	0.150	21	18	18
3C x 4	1	1.00	0.30	1.80	13.50	300	7.41	8.89	0.116	0.410	28	23	23
3C x 6	1	1.00	0.30	1.80	14.40	350	4.61	5.53	0.110	0.470	35	30	30
3C x 10	1	1.00	0.30	1.80	15.60	435	3.08	3.70	0.100	0.560	46	39	40
3C x 16	6	1.00	0.30	1.80	16.80	435	1.91	2.29	0.097	0.760	60	50	51
3C x 25	6	1.20	0.30	2.00	20.20	600	1.20	1.44	0.097	0.860	76	63	70
3C x 35	6	1.20	0.30	2.00	21.70	730	0.868	1.04	0.097	0.980	92	77	86
3C x 50	6	1.40	0.30	2.00	24.80	920	0.641	0.77	0.094	1.020	110	95	105
3C x 70	12	1.40	0.40	2.20	28.50	1215	0.443	0.53	0.090	1.180	135	115	130
3C x 95	15	1.60	0.40	2.20	31.60	1545	0.320	0.38	0.090	1.200	165	140	155
3C x 120	15	1.60	0.40	2.20	34.70	1830	0.253	0.30	0.087	1.310	185	155	180
3C x 150	15	1.80	0.50	2.40	38.90	2250	0.206	0.25	0.087	1.310	210	175	205
3C x 185	30	2.00	0.50	2.60	44.50	2760	0.164	0.20	0.087	1.310	235	200	240
3C x 240	30	2.20	0.60	2.80	49.00	3515	0.125	0.15	0.087	1.340	275	235	280
3C x 300	30	2.40	0.60	3.00	53.50	4275	0.100	0.12	0.086	1.410	305	260	315
3C x 400	53	2.60	0.70	3.40	62.00	5400	0.0778	0.09	0.086	1.450	335	290	375