

GRID INDIA POWER CABLES PVT. LTD.



3.5 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
3.5C x 25/16	6/6.	1.2/1.0	0.30	2.00	22.70	700	1.20	1.44	0.097	0.86	76	63	70
3.5C x 35/16	6/6.	1.2/1.0	0.30	2.00	24.00	830	0.868	1.04	0.097	0.98	92	77	86
3.5C x 50/25	6/6.	1.4/1.2	0.30	2.00	27.00	1060	0.641	0.77	0.094	1.02	110	95	105
3.5C x 70/35	12/6.	1.4/1.2	0.40	2.20	31.00	1395	0.443	0.53	0.090	1.18	135	115	130
3.5C x 95/50	15/6.	1.6/1.4	0.40	2.20	35.00	1795	0.320	0.38	0.090	1.20	165	140	155
3.5C x 120/70	15/12.	1.6/1.4	0.50	2.40	40.00	2200	0.253	0.30	0.087	1.31	185	155	180
3.5C x 150/70	15/12.	1.8/1.4	0.50	2.40	42.30	2575	0.206	0.25	0.087	1.31	210	175	205
3.5C x 185/95	30/15.	2.0/1.6	0.50	2.60	46.80	3150	0.164	0.20	0.087	1.31	235	200	240
3.5C x 240/120	30/15.	2.2/1.6	0.60	3.00	54.50	4060	0.125	0.15	0.087	1.34	275	235	280
3.5C x 300/150	30/15.	2.4/1.8	0.60	3.20	59.00	4970	0.100	0.12	0.086	1.41	305	260	315
3.5C x 400/185	53/30.	2.6/2.0	0.70	3.40	67.00	6210	0.0778	0.09	0.086	1.45	335	290	375