

# GRID INDIA POWER CABLES PVT. LTD.



2 CORE COPPER XLPE UNARMOURED POWER CABLES												
No. of cores and cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom.) (mm)	Min. Thickness of PVC inner sheath (mm)	Nom. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.)	Approx. Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20 Deg. (Ohms/Km)	Max. A.C. Resistance at 90 Deg. (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS	
											Direct in Ground	In Air
											Amps	Amps
2C x 25	6	0.90	0.3	2.00	18.0	672	0.727	0.930	0.080	0.20	144	131
2C x 35	6	0.90	0.3	2.00	20.0	865	0.524	0.671	0.080	0.23	175	150
2C x 50	6	1.00	0.3	2.00	22.0	1114	0.387	0.495	0.078	0.24	206	194
2C x 70	12	1.10	0.3	2.00	25.0	1519	0.268	0.343	0.077	0.26	256	244
2C x 95	15	1.10	0.4	2.20	28.0	2048	0.193	0.247	0.074	0.29	300	288
2C x 120	18	1.20	0.4	2.20	30.0	2526	0.153	0.196	0.072	0.29	344	331
2C x 150	18	1.40	0.4	2.20	33.0	3062	0.124	0.159	0.072	0.29	388	381
2C x 185	30	1.60	0.5	2.40	36.0	3813	0.0991	0.127	0.072	0.29	438	438
2C x 240	34	1.70	0.5	2.60	40.0	4917	0.0754	0.0965	0.072	0.31	506	512
2C x 300	34	1.80	0.6	2.80	44.0	6107	0.0601	0.0769	0.071	0.33	562	581
2C x 400	53	2.00	0.6	3.00	49.0	7732	0.0470	0.0602	0.070	0.33	612	662