

# GRID INDIA POWER CABLES PVT. LTD.



3 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 inner sheath (mm)	Nom. Thickness of PVC Outer Sheath (mm)	Overall Diameter (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
3C x 25	6	0.90	0.3	2.00	21.0	935	0.727	0.930	0.080	0.20	119	108
3C x 35	6	0.90	0.3	2.00	23.0	1219	0.524	0.671	0.080	0.23	144	132
3C x 50	6	1.00	0.3	2.00	25.0	1578	0.387	0.495	0.078	0.24	174	162
3C x 70	12	1.10	0.4	2.20	29.0	2222	0.268	0.343	0.077	0.26	210	198
3C x 95	15	1.10	0.4	2.20	32.0	2948	0.193	0.247	0.074	0.29	252	240
3C x 120	18	1.20	0.4	2.20	35.0	3659	0.153	0.196	0.072	0.29	288	276
3C x 150	18	1.40	0.5	2.40	39.0	4511	0.124	0.156	0.072	0.29	324	318
3C x 185	30	1.60	0.5	2.60	43.0	5600	0.0991	0.127	0.072	0.29	360	366
3C x 240	34	1.70	0.6	2.80	48.0	7249	0.0754	0.0965	0.072	0.31	414	426
3C x 300	34	1.80	0.6	3.00	53.0	9001	0.0601	0.0769	0.071	0.33	462	480
3C x 400	53	2.00	0.7	3.20	59.0	11429	0.0470	0.0602	0.070	0.33	510	546