

# GRID INDIA POWER CABLES PVT. LTD.



3 CORE COPPER XLPE ARMoured POWER CABLES																	
No. of cores and cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom.) (mm)	Min. Thickness of PVC Innersheath (mm)	Nominal Dimensions of Armour (mm)		Min. Thickness of PVC Outer Sheath (mm)		Overall Diameter (Approx.) (mm)		Approx. Net. Wet of Cable		Max. D.C. Resistance at 20 (Ohms/Km)	Max. A.C. Resistance at 90 (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS	
				Strip	Wire	Strip Armour	Wire Armour	Strip Armour	Wire Armour	Strip Armour (Kg/Km)	Wire Armour (Kg/Km)					Direct in Ground	In Air
3C x 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.0	21.3	1373	1177	0.727	0.930	0.080	0.20	119	108
3C x 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	25.0	23.0	1713	1469	0.524	0.671	0.080	0.23	144	132
3C x 50	6	1.00	0.3	4x0.8	1.60	1.56	1.40	28.0	26.0	2171	1872	0.387	0.495	0.078	0.24	174	162
3C x 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	32.0	30.0	3052	2570	0.268	0.343	0.077	0.26	210	198
3C x 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	35.0	32.0	3868	3333	0.193	0.247	0.074	0.29	252	240
3C x 120	18	1.20	0.4	4x0.8	2.00	1.72	1.56	39.0	36.0	4725	4085	0.153	0.196	0.072	0.29	288	276
3C x 150	18	1.40	0.5	4x0.8	2.00	1.88	1.72	42.0	39.0	5691	4988	0.124	0.159	0.072	0.29	324	318
3C x 185	30	1.60	0.5	4x0.8	2.50	2.04	1.88	47.0	44.0	7245	6137	0.0991	0.127	0.072	0.29	360	366
3C x 240	34	1.70	0.6	4x0.8	2.50	2.20	2.04	53.0	49.0	9112	7838	0.0754	0.0965	0.072	0.31	414	426
3C x 300	34	1.80	0.6	4x0.8	2.50	2.36	2.20	58.0	54.0	11087	9667	0.0601	0.0769	0.071	0.33	462	480
3C x 400	53	2.00	0.7	4x0.8	3.15	2.68	2.52	65.0	60.0	14437	12190	0.0470	0.0602	0.070	0.33	510	546