

GRID INDIA POWER CABLES PVT. LTD.



2 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
																Amps	Amps
2C x 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	21.1	19.0	1059	872	0.727	0.930	0.080	0.20	144	131
2C x 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	22.0	21.0	1299	1087	0.524	0.671	0.080	0.23	175	150
2C x 50	6	1.00	0.3	4x0.8	1.60	1.40	1.40	24.0	23.0	1607	1379	0.387	0.495	0.078	0.24	206	194
2C x 70	12	1.10	0.3	4x0.8	1.60	1.56	1.56	27.0	26.0	2106	1845	0.268	0.343	0.077	0.26	256	244
2C x 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	31.0	28.0	2847	2388	0.193	0.247	0.074	0.29	300	288
2C x 120	18	1.20	0.4	4x0.8	2.00	1.56	1.56	33.0	31.0	3429	2918	0.153	0.196	0.072	0.29	344	331
2C x 150	18	1.40	0.4	4x0.8	2.00	1.72	1.72	36.0	34.0	4062	3500	0.124	0.159	0.072	0.29	388	381
2C x 185	30	1.60	0.5	4x0.8	2.00	1.88	1.72	39.0	37.0	4936	4295	0.0991	0.127	0.072	0.29	438	438
2C x 240	34	1.70	0.5	4x0.8	2.50	2.04	1.88	45.0	41.0	6487	5449	0.0754	0.0965	0.072	0.31	506	512
2C x 300	34	1.80	0.6	4x0.8	2.50	2.20	2.04	48.0	44.0	7831	6678	0.0601	0.0769	0.071	0.33	562	581
2C x 400	53	2.00	0.6	4x0.8	2.50	2.36	2.36	54.0	50.0	9688	8437	0.0470	0.0602	0.070	0.33	612	662