

GRID INDIA POWER CABLES PVT. LTD.



2 CORE ALUMINIUM XLPE ARMURED POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of Insulation (Nom.) (mm)	Min. Thickness of Inner sheath (mm)	Nominal Dimensions of Armour (mm)		Min. Thickness of 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
2C x 25	6	0.90	0.3	1.60	4x0.8	1.40	1.40	21	19	840	630	1.2000	1.5400	0.080	0.20	112	98
2C x 35	6	0.90	0.3	1.60	4x0.8	1.40	1.40	22	21	970	740	0.8680	1.1100	0.080	0.23	138	124
2C x 50	6	1.00	0.3	1.60	4x0.8	1.40	1.40	24	23	1150	900	0.6410	0.8200	0.078	0.24	169	156
2C x 70	12	1.10	0.3	1.60	4x0.8	1.56	1.56	27	26	1430	1140	0.4430	0.5670	0.077	0.26	200	188
2C x 95	15	1.10	0.4	2.00	4x0.8	1.56	1.56	31	28	1900	1390	0.3200	0.4100	0.074	0.29	238	231
2C x 120	15	1.20	0.4	2.00	4x0.8	1.56	1.56	33	31	2220	1660	0.2530	0.3250	0.072	0.29	262	262
2C x 150	15	1.40	0.4	2.00	4x0.8	1.72	1.72	36	34	2550	1930	0.2060	0.2650	0.072	0.29	300	300
2C x 185	30	1.60	0.5	2.00	4x0.8	1.88	1.72	39	37	3030	2320	0.1640	0.2110	0.072	0.29	344	344
2C x 240	30	1.70	0.5	2.50	4x0.8	2.04	1.88	45	41	3930	2790	0.1250	0.1620	0.072	0.31	400	406
2C x 300	30	1.80	0.6	2.50	4x0.8	2.20	2.04	48	44	4650	3390	0.1000	0.1300	0.071	0.33	444	456
2C x 400	53	2.00	0.6	2.50	4x0.8	2.36	2.36	54	50	5600	4230	0.0778	0.1023	0.070	0.33	481	525