

GRID INDIA POWER CABLES PVT. LTD.



4 CORE ALUMINIUM XLPE ARMoured POWER CABLES																	
No. of cores and cross sectional area	Min. No. of wires	Thickness of Insulation (Nom.) (mm)	Min. Thickness of Innersheath (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
4C x 16	6	0.7	0.3	1.60	4x0.8	1.40	1.40	22	21			1.91	2.45			73	70
4C x 25	6	0.9	0.3	1.60	4x0.8	1.40	1.40	26	24	1180	940	1.2	1.54	0.08	0.2	94	96
4C x 35	6	0.9	0.3	1.60	4x0.8	1.40	1.40	28	26	1410	1130	0.868	1.11	0.08	0.23	113	117
4C x 50	6	1.0	0.3	1.60	4x0.8	1.56	1.56	31	30	1720	1400	0.641	0.82	0.078	0.24	133	142
4C x 70	12	1.1	0.4	2.00	4x0.8	1.56	1.56	36	34	2410	1800	0.443	0.567	0.077	0.26	164	179
4C x 95	15	1.1	0.4	2.00	4x0.8	1.72	1.56	40	37	2900	2190	0.32	0.41	0.074	0.29	196	221
4C x 120	15	1.2	0.5	2.00	4x0.8	1.88	1.72	44	42	3480	2690	0.253	0.325	0.072	0.29	223	257
4C x 150	15	1.4	0.5	2.50	4x0.8	2.04	1.88	50	46	4480	3220	0.206	0.265	0.072	0.29	249	292
4C x 185	30	1.6	0.5	2.50	4x0.8	2.20	2.04	55	51	5330	3920	0.164	0.211	0.072	0.29	282	337
4C x 240	30	1.7	0.6	2.50	4x0.8	2.36	2.20	61	57	6420	4850	0.125	0.162	0.072	0.31	326	399
4C x 300	30	1.8	0.7	3.15	4x0.8	2.52	2.36	68	63	8360	5900	0.1	0.13	0.071	0.33	367	455
4C x 400	53	2.0	0.7	3.15	4x0.8	2.84	2.68	76	71	10070	7310	0.0778	0.1023	0.07	0.33	418	530