

GRID INDIA POWER CABLES PVT. LTD.



4 CORE ALUMINIUM PVC ARMoured POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of PVC Insulation (Nom.) (mm)	Min. Thickness of PVC Inner sheath (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 70 (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 Duct	In Air
4C x 1.5	1	0.8	0.3	-	1.40	-	1.24	-	14.5	-	470	18.1000	21.72	0.126	0.14	16	14	13
4C x 2.5	1	0.9	0.3	-	1.40	-	1.24	-	16.0	-	560	12.1000	14.52	0.119	0.15	21	18	18
4C x 4	1	1.0	0.3	-	1.40	-	1.24	-	17.5	-	675	7.4100	8.89	0.116	0.41	28	23	23
4C x 6	1	1.0	0.3	-	1.40	-	1.24	-	19.0	-	800	4.6100	5.53	0.110	0.47	35	30	30
4C x 10	1	1.0	0.3	4x0.8	1.60	1.40	1.40	21.15	23.0	800	1030	3.0800	3.70	0.100	0.56	46	39	40
4C x 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	23.00	25.0	830	1050	1.9100	2.29	0.097	0.76	60	50	51
4C x 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	25.00	27.0	1075	1350	1.2000	1.44	0.097	0.86	76	63	70
4C x 35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	27.50	30.0	1280	1620	0.8680	1.04	0.097	0.98	92	77	86
4C x 50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	32.00	34.5	1620	2175	0.6410	0.77	0.094	1.02	110	95	105
4C x 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	36.50	38.0	2010	2660	0.4430	0.53	0.090	1.18	135	115	130
4C x 95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	40.00	42.5	2550	3280	0.3200	0.38	0.090	1.20	165	140	155
4C x 120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	44.50	47.0	3040	3840	0.2530	0.30	0.087	1.31	185	155	180
4C x 150	15	1.8	0.5	4x0.8	2.50	1.88	2.04	48.00	51.5	3580	4880	0.2060	0.25	0.087	1.31	210	175	205
4C x 185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	53.00	57.0	4340	5810	0.1640	0.20	0.087	1.31	235	200	240
4C x 240	30	2.2	0.6	4x0.8	2.50	2.36	2.36	60.00	64.0	5460	7050	0.1250	0.15	0.087	1.34	275	235	280
4C x 300	30	2.4	0.7	4x0.8	3.15	2.52	2.68	65.50	71.0	6630	9260	0.1000	0.12	0.086	1.41	305	260	315
4C x 400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	73.00	78.0	8185	11020	0.0778	0.09	0.086	1.45	335	290	375