

GRID INDIA POWER CABLES PVT. LTD.



4 CORE COPPER 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 Innersheath (mm)	Nominal Dimensions of Armour (mm)		Min. Thickness of PVC Outer Sheath (mm)		Overall Diameter (Approx.) (mm)		Approx. Net. Wet of Cable		Max DC Resistance at 20°C Ohm/Km	Max AC Resistance at 70°C Ohm/Km	Approx. reactance at 50 Hz Ohm/Km	Approx. capacitance mF/Km	Current Rating	
				Strip	wire	Strip	wire	Strip	Wire	Strip Kg/Km	Wire Kg/Km					Direct in round Amps	In Air Amps
4C x 1.5	1	0.8	0.3	-	1.40	-	1.24	-	14.5	-	503	12.1	14.5	0.126	0.14	21	17
4C x 2.5	1	0.9	0.3	-	1.40	-	1.24	-	16.0	-	616	7.41	8.87	0.119	0.15	27	24
4C x 4	1	1.0	0.3	-	1.40	-	1.24	-	17.5	-	771	4.61	5.52	0.116	0.41	36	30
4C x 6	1	1.0	0.3	-	1.40	-	1.24	-	19.0	-	947	3.08	3.69	0.110	0.47	45	39
4C x 10	6	1.0	0.3	4x0.8	1.60	1.40	1.40	21.5	23.0	1045	1273	1.83	2.19	0.100	0.56	60	57
4C x 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	23.0	25.0	1198	1421	1.15	1.38	0.097	0.76	77	66
4C x 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	25.0	27.0	1666	1936	0.727	0.87	0.097	0.86	99	90
4C x 35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	27.5	30.0	2105	2436	0.524	0.627	0.097	0.98	120	110
4C x 50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	32.0	34.5	2732	3288	0.387	0.463	0.094	1.02	145	135
4C x 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	36.5	38.0	3624	4262	0.268	0.321	0.090	1.18	175	165
4C x 95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	40.0	42.5	4806	5525	0.193	0.231	0.090	1.20	210	200
4C x 120	18	1.6	0.5	4x0.8	2.00	1.88	1.88	44.0	47.0	5884	6660	0.153	0.184	0.087	1.31	240	230
4C x 150	18	1.8	0.5	4x0.8	2.50	1.88	2.04	48.0	51.5	7086	8369	0.124	0.149	0.087	1.31	270	265
4C x 185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	53.0	57.0	8724	10183	0.0991	0.120	0.087	1.31	300	305
4C x 240	34	2.2	0.6	4x0.8	2.50	2.36	2.36	60.0	64.0	11238	12807	0.0754	0.0912	0.087	1.34	345	355
4C x 300	34	2.4	0.7	4x0.8	3.15	2.52	2.68	65.5	71.0	13887	16488	0.0601	0.0739	0.086	1.41	385	400
4C x 400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	73.0	78.0	17453	20254	0.0470	0.0592	0.086	1.45	425	455