

GRID INDIA POWER CABLES PVT. LTD.



3 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 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 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
																Amps	Amps	Amps
3C x 1.5	1	0.8	0.3	-	1.40	-	1.24	-	14.0	-	420	18.10	21.72	0.126	0.14	16	14	13
3C x 2.5	1	0.9	0.3	-	1.40	-	1.24	-	15.0	-	500	12.10	14.52	0.119	0.15	21	18	18
3C x 4	1	1.0	0.3	-	1.40	-	1.24	-	16.5	-	595	7.41	8.89	0.116	0.41	28	23	23
3C x 6	1	1.0	0.3	-	1.40	-	1.24	-	17.5	-	685	4.61	5.53	0.110	0.47	35	30	30
3C x 10	1	1.0	0.3	-	1.40	-	1.40	-	19.5	-	830	3.08	3.70	0.100	0.56	46	39	40
3C x 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	19.5	21.0	680	890	1.91	2.29	0.097	0.76	60	50	51
3C x 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	22.5	24.0	880	1120	1.20	1.44	0.097	0.86	76	63	70
3C x 35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	24.0	25.5	1025	1305	0.868	1.04	0.097	0.98	92	77	86
3C x 50	6	1.4	0.3	4x0.8	1.60	1.56	1.56	27.5	29.0	1310	1605	0.641	0.77	0.094	1.02	110	95	105
3C x 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	30.5	33.0	1630	2160	0.443	0.53	0.090	1.18	135	115	130
3C x 95	15	1.6	0.4	4x0.8	2.00	1.56	1.72	34.5	37.0	1990	2645	0.320	0.38	0.090	1.20	165	140	155
3C x 120	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.0	40.0	2375	3050	0.253	0.30	0.087	1.31	185	155	180
3C x 150	15	1.8	0.5	4x0.8	2.00	1.88	1.88	41.5	44.0	2825	3560	0.206	0.25	0.087	1.31	210	175	205
3C x 185	30	2.0	0.5	4x0.8	2.50	1.88	2.04	45.5	49.0	3365	4590	0.164	0.20	0.087	1.31	235	200	240
3C x 240	30	2.2	0.6	4x0.8	2.50	2.20	2.20	52.0	55.0	4250	5620	0.125	0.15	0.087	1.34	275	235	280
3C x 300	30	2.4	0.6	4x0.8	2.50	2.36	2.36	56.5	60.0	5140	6650	0.100	0.12	0.086	1.41	305	280	315
3C x 400	53	2.6	0.7	4x0.8	3.15	2.52	2.68	64.5	69.5	6270	8720	0.0778	0.09	0.086	1.45	335	290	375