

# GRID INDIA POWER CABLES PVT. LTD.



3 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
																Amps	Amps
3C x 25	6	0.9	0.3	1.6	4x0.8	1.4	1.4	23	21.3	980	770	1.2	1.54	0.08	0.2	94	96
3C x 35	6	0.9	0.3	1.6	4x0.8	1.4	1.4	25	23	1160	900	0.868	1.11	0.08	0.23	113	117
3C x 50	6	1	0.3	1.6	4x0.8	1.56	1.4	28	26	1320	1000	0.641	0.82	0.078	0.24	133	142
3C x 70	12	1.1	0.4	2.0	4x0.8	1.56	1.56	32	30	1950	1450	0.443	0.567	0.077	0.26	164	179
3C x 95	15	1.1	0.4	2.0	4x0.8	1.56	1.56	35	32	2320	1750	0.320	0.41	0.074	0.29	196	221
3C x 120	15	1.2	0.4	2.0	4x0.8	1.72	1.56	39	36	2770	2100	0.253	0.325	0.072	0.29	223	257
3C x 150	15	1.4	0.5	2.0	4x0.8	1.88	1.72	42	39	3260	2520	0.206	0.265	0.072	0.29	249	292
3C x 185	30	1.6	0.5	2.5	4x0.8	2.04	1.88	47	44	4220	3050	0.164	0.211	0.072	0.29	282	337
3C x 240	30	1.7	0.6	2.5	4x0.8	2.2	2.04	53	49	5110	3770	0.125	0.162	0.072	0.31	326	399
3C x 300	30	1.8	0.6	2.5	4x0.8	2.36	2.2	58	54	6030	4540	0.1	0.13	0.071	0.33	367	455
3C x 400	53	2	0.7	3.15	4x0.8	2.68	2.52	65	60	8010	5640	0.0778	0.1023	0.07	0.33	418	530