

GRID INDIA POWER CABLES PVT. LTD.



3 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of Insulation (Nom.) (mm)	Min. Thickness of inner sheath (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20 Deg. (Ohms/Km)	Max. A.C. Resistance at 90 Deg. (Ohms/Km)	Approx. Reactance at 50 Hz (Ohm/Km)	Approx. Capacitance (mFd/Km)	CURRENT RATINGS	
											Direct in Ground	In Air
											Amps	Amps
3C x 25	6	0.90	0.30	2	21	520	1.2000	1.5400	0.080	0.20	94	96
3C x 35	6	0.90	0.30	2	23	640	0.8680	1.1100	0.080	0.23	113	117
3C x 50	6	1.00	0.30	2	25	700	0.6410	0.8200	0.078	0.24	133	142
3C x 70	12	1.10	0.40	2.2	29	1080	0.4430	0.5670	0.077	0.26	164	179
3C x 95	15	1.10	0.40	2.2	32	1350	0.3200	0.4100	0.074	0.29	196	221
3C x 120	15	1.20	0.40	2.2	35	1640	0.2530	0.3250	0.072	0.29	223	257
3C x 150	15	1.40	0.50	2.4	39	2020	0.2060	0.2650	0.072	0.29	249	292
3C x 185	30	1.60	0.50	2.6	43	2490	0.1640	0.2110	0.072	0.29	282	337
3C x 240	30	1.70	0.60	2.8	48	3150	0.1250	0.1620	0.072	0.31	326	399
3C x 300	30	1.80	0.60	3	53	3890	0.1000	0.1300	0.071	0.33	367	455
3C x 400	53	2.00	0.70	3.2	59	4840	0.0778	0.1023	0.070	0.33	418	530