

GRID INDIA POWER CABLES PVT. LTD.



4 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
4C x 16	6	0.7	0.3	1.80	20		1.9100	2.4500			73	70
4C x 25	6	0.9	0.3	2.00	23	650	1.2000	1.5400	0.080	0.20	94	96
4C x 35	6	0.9	0.3	2.00	26	800	0.8680	1.1100	0.080	0.23	113	117
4C x 50	6	1.0	0.3	2.00	29	1000	0.6410	0.8200	0.078	0.24	133	142
4C x 70	12	1.1	0.4	2.20	33	1370	0.4430	0.5670	0.077	0.26	164	179
4C x 95	15	1.1	0.4	2.20	36	1740	0.3200	0.4100	0.074	0.29	196	221
4C x 120	15	1.2	0.5	2.40	41	2170	0.2530	0.3250	0.072	0.29	223	257
4C x 150	15	1.4	0.5	2.60	45	2630	0.2060	0.2650	0.072	0.29	249	292
4C x 185	30	1.6	0.5	2.80	50	3250	0.1640	0.2110	0.072	0.29	282	337
4C x 240	30	1.7	0.6	3.00	56	4110	0.1250	0.1620	0.072	0.31	326	399
4C x 300	30	1.8	0.7	3.20	63	5070	0.1000	0.1300	0.071	0.33	367	455
4C x 400	53	2.0	0.7	3.60	71	6420	0.0778	0.1023	0.070	0.33	418	530