

GRID INDIA POWER CABLES PVT. LTD.



4 CORE COPPER XLPE UNARMoured POWER CABLES

No. of cores and cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom.) (mm)	Min. Thickness of PVC Innersheath (mm)	Nom. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.)	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	0.70	0.3	1.80	20.0	713	1.15	1.47	0.080	0.36	92	79
4C x 25	6	0.90	0.3	2.00	23.0	1193	0.727	0.930	0.080	0.20	119	108
4C x 35	6	0.90	0.3	2.00	26.0	1566	0.524	0.671	0.080	0.23	144	132
4C x 50	6	1.00	0.3	2.00	29.0	2057	0.387	0.495	0.078	0.24	174	162
4C x 70	12	1.10	0.4	2.20	33.0	2898	0.268	0.343	0.077	0.26	210	198
4C x 95	15	1.10	0.4	2.20	36.0	3858	0.193	0.247	0.074	0.29	252	240
4C x 120	18	1.20	0.5	2.40	41.0	5324	0.153	0.196	0.072	0.29	288	276
4C x 150	18	1.40	0.5	2.60	45.0	5947	0.124	0.159	0.072	0.29	324	318
4C x 185	30	1.60	0.5	2.80	50.0	7400	0.0991	0.127	0.072	0.29	360	366
4C x 240	34	1.70	0.6	3.00	56.0	9584	0.0754	0.0965	0.072	0.31	414	426
4C x 300	34	1.80	0.7	3.20	63.0	11948	0.0601	0.0769	0.071	0.33	462	480
4C x 400	53	2.00	0.7	3.60	71.0	15207	0.0470	0.0602	0.070	0.33	510	546