



Janaki Cable Industry Ltd

Regd. No. : 216844/75/76 | PAN No. : 609552191



1 CORE COPPER XLPE ARMOURED & UNARMoured POWER CABLES

		ARMOURED					UNARMOURED							ARMOURED		UNARMOURED		CURRENT RATINGS	
No. of No. of cores & cross sectional area	Min. No of Wires	Thickness of XLPE Insulation (Nom.)	Nominal Dimension of Armour Wire	Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)	Approx. Net Wt. of Cable	Thickness of PVC Insulation (Nom.)	Nom. Thickness of Armour Wire	Overall Diameter (Approx)	Approx. Net Wt of Cable	Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Resistance at 50 Hz	Approx. Capacit ance	Appro x. Resist ance at 50 Hz	Approx. Capacit ance	Direct in Groun d Amps	In Air Amps	
		(mm)	(mm)	(mm)	(mm)	(Kg/Km)	(mm)	(mm)	(mm)	(Kg/Km)	Ohms/K m	Ohms/K m	Ohms/K m	mFd/ Km	Ohm s/Km	mFd/ Km	Amps	Amps	
1CX 25	7	1.20	1.40	1.24	14.1	407	0.90	1.8	11.8	331	0.727	0.930	0.116	0.40	0.102	0.52	132	132	
1C X 35	7	1.20	1.40	1.24	15.1	511	0.90	1.8	12.8	428	0.524	0.671	0.110	0.47	0.097	0.60	156	156	
1C X 50	7	1.30	1.40	1.24	16.4	643	1.00	1.8	14.1	554	0.387	0.495	0.103	0.50	0.092	0.63	186	198	
1C X 70	19	1.40	1.40	1.24	18.2	866	1.10	1.8	15.9	764	0.268	0.343	0.099	0.55	0.088	0.68	228	246	
1C X 95	19	1.40	1.60	1.40	20.6	1168	1.10	1.8	17.6	1018	0.193	0.247	0.097	0.64	0.085	0.79	264	294	
1C X 120	19	1.50	1.60	1.40	22.9	1432	1.20	1.8	20.3	1287	0.153	0.196	0.093	0.67	0.082	0.79	300	336	
1C X 150	19	1.70	1.60	1.40	24.0	1710	1.40	2.0	21.4	1556	0.124	0.159	0.091	0.67	0.082	0.79	336	384	
1C X 185	37	1.90	1.60	1.40	26.3	2095	1.60	2.0	23.7	1924	0.0991	0.127	0.090	0.67	0.082	0.79	366	444	
1C X 240	37	2.00	1.60	1.40	28.9	2664	1.70	2.0	26.3	2476	0.0754	0.0965	0.086	0.72	0.079	0.84	414	510	
1C X 300	37	2.10	1.60	1.56	31.5	3287	1.80	2.0	28.6	3058	0.0601	0.0769	0.085	0.75	0.078	0.86	450	570	
1C X 400	61	2.40	2.00	1.56	35.9	4217	2.00	2.2	32.4	3899	0.0470	0.0608	0.085	0.75	0.077	0.88	480	660	
1C X 500	61	2.60	2.00	1.56	39.3	5286	2.20	2.2	35.8	4941	0.0366	0.0468	0.083	0.77	0.076	0.90	564	708	
1C X 630	61	2.80	2.00	1.72	43.6	6728	2.40	2.2	39.8	6315	0.0283	0.0362	0.082	0.81	0.075	0.94	570	825	
1C X 800	91	3.10	2.00	1.88	50.0	8250	2.60	2.4	46.0	7676	0.0221	0.0283	0.081	0.88	0.075	0.97	660	945	
1C X 1000	91	3.30	2.50	2.04	55.9	10766	2.80	2.6	51.0	10090	0.0176	0.0225	0.081	0.88	0.068	1.01	723	1063	

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