



Janaki Cable Industry Ltd

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



1 -Core-aluminum PVC ARMOURED & UNARMOURED POWER CABLES

*Nom. : Nominal, Min. : Minimum, App: Approximate

		ARMOURED					UNARMOURED						ARMOURED		UNARMOURED		CURRENT RATINGS		
No. of cores & cross sectional area	Min.No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Nom. Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)	Thickness of insulation (Nom.) (mm)	Nom. Thickness of outer sheath	Overall Diameter (App.) (mm)	Approx. Net Wt. of Cable	Max. D.C. Resistance at 20 Ohms/Km	Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	App. Capacitance mFd/Km	App.. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Direct in Ground	In Duct	In Air
																	Cable Amps	Cable Amps	Cable Amps
1CX4	1	1.3	1.4	1.24	10.9	148	1.0	1.8	8.60	89	7.4100	8.8900	0.158	0.47	0.137	0.58	31	30	27
1CX6	1	1.3	1.4	1.24	11.4	165	1.0	1.8	9.10	103	4.6100	5.5300	0.148	0.56	0.127	0.68	39	37	35
1CX10	1	1.3	1.4	1.24	12.3	196	1.0	1.8	10.10	127	3.0800	3.7000	0.138	0.67	0.118	0.83	51	51	47
1CX16	7	1.3	1.4	1.24	13.1	225	1.0	1.8	10.80	152	1.9100	2.2900	0.128	0.81	0.110	1.01	66	65	64
1CX25	7	1.5	1.4	1.24	14.7	287	1.2	1.8	12.40	204	1.2000	1.4400	0.120	0.87	0.105	1.05	86	84	84
1CX35	7	1.5	1.4	1.24	15.7	334	1.2	1.8	13.40	244	0.8680	1.0400	0.114	1.00	0.100	1.22	100	100	105
1CX50	7	1.7	1.4	1.24	17.2	411	1.4	1.8	14.90	310	0.6410	0.7700	0.110	1.03	0.098	1.22	120	115	130
1CX70	19	1.7	1.4	1.40	19.1	513	1.4	1.8	16.50	388	0.4430	0.5300	0.103	1.21	0.091	1.43	140	135	155
1CX95	19	1.9	1.6	1.40	21.6	662	1.6	1.8	18.60	501	0.3200	0.3800	0.101	1.27	0.088	1.47	175	155	190
1CX120	19	1.9	1.6	1.40	23.7	784	1.6	2.0	21.10	621	0.2530	0.3000	0.096	1.42	0.086	1.62	195	170	220
1CX150	19	2.1	1.6	1.40	24.8	898	1.8	2.0	22.20	726	0.2060	0.2500	0.094	1.42	0.085	1.62	220	190	250
1CX185	37	2.3	1.6	1.40	27.1	1069	2.0	2.0	24.50	884	0.1640	0.2000	0.092	1.44	0.084	1.62	240	210	290
1CX240	37	2.5	1.6	1.56	30.2	1337	2.2	2.0	27.30	1106	0.1250	0.1500	0.090	1.53	0.082	1.72	270	225	335
1CX300	37	2.8	2.0	1.56	33.7	1676	2.4	2.0	29.80	1336	0.1000	0.1200	0.088	1.56	0.080	1.74	295	245	380
1CX400	61	3.0	2.0	1.56	37.1	2032	2.6	2.2	33.60	1690	0.0778	0.0934	0.088	1.56	0.080	1.81	325	275	435
1CX500	61	3.4	2.0	1.72	41.2	2531	3.0	2.2	37.40	2120	0.0605	0.0726	0.087	1.57	0.079	1.76	345	295	480
1CX630	61	3.9	2.0	1.88	46.2	3183	3.4	2.4	42.20	2709	0.0469	0.0563	0.086	1.57	0.077	1.77	390	320	550
1CX800	91	3.9	2.0	1.88	52.0	4120	3.4	2.4	48.00	3430	0.0367	0.0440	0.083	1.75	0.077	1.98	442	350	600
1CX1000	91	4.0	2.5	2.04	57.3	4812	3.4	2.6	52.20	4064	0.0291	0.0349	0.082	1.94	0.076	2.20	485	380	720

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