



1 CORE ALUMINUM XLPE ARMOURED & UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	ARMOURED					UNARMoured						ARMOURED		UNARMoured		CURRENT RATINGS	
		Thickness of PVC insulation (Nom.) (mm)	Nominal 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 PVC insulation (Nom.) (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. Of Cable (Kg/Km)	Max. D.C. Resistance at 20 Ohms/Km	Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Direct in Ground Amps	In Air Amps
1CX25	7	1.20	1.40	1.24	14.1	253	0.90	1.80	11.8	177	1.200	1.5400	0.116	0.40	0.102	0.52	96	98
1CX35	7	1.20	1.40	1.24	15.1	297	0.90	1.80	12.8	215	0.868	1.1100	0.110	0.47	0.097	0.60	114	121
1CX50	7	1.30	1.40	1.24	16.4	358	1.00	1.80	14.1	270	0.641	0.8200	0.103	0.50	0.092	0.63	135	150
1CX70	19	1.40	1.40	1.24	18.2	448	1.10	1.80	15.9	347	0.443	0.5670	0.099	0.55	0.088	0.68	166	187
1CX95	19	1.40	1.60	1.40	20.6	588	1.10	1.80	17.6	438	0.320	0.4100	0.097	0.64	0.085	0.79	198	230
1CX120	19	1.50	1.60	1.40	22.9	701	1.20	1.80	20.3	556	0.253	0.3250	0.093	0.67	0.082	0.79	225	268
1CX150	19	1.70	1.60	1.40	24.0	806	1.40	2.00	21.4	652	0.206	0.2650	0.091	0.67	0.082	0.79	253	309
1CX185	37	1.90	1.60	1.40	26.3	966	1.60	2.00	23.7	795	0.164	0.2110	0.090	0.67	0.082	0.79	286	360
1CX240	37	2.00	1.60	1.40	28.9	1179	1.70	2.00	26.3	991	0.125	0.1620	0.086	0.72	0.079	0.84	332	433
1CX300	37	2.10	1.60	1.56	31.5	1421	1.80	2.00	28.6	1193	0.100	0.1300	0.085	0.75	0.078	0.86	376	501
1CX400	61	2.40	2.00	1.56	35.9	1836	2.00	2.20	32.4	1519	0.0778	0.1023	0.085	0.75	0.077	0.88	431	596
1CX500	61	2.60	2.00	1.56	39.3	2232	2.20	2.20	35.8	1887	0.0605	0.0808	0.083	0.77	0.076	0.90	490	693
1CX630	61	2.80	2.00	1.72	43.6	2773	2.40	2.20	39.8	2360	0.0469	0.0648	0.082	0.81	0.075	0.94	557	814
1CX800	61	3.10	2.00	1.88	50.0	3730	2.60	2.40	46.0	3100	0.0362	0.0530	0.081	0.88	0.075	0.97	600	890
1CX1000	61	3.30	2.50	2.04	55.9	4411	2.80	2.60	51.0	3735	0.0291	0.0444	0.081	0.88	0.068	1.01	650	1050

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