



3 CORE ALUMINUM PVC ARMoured & UNARMoured POWER CABLES

No. of Cores & Cross sectional area	Min. No. of wires	Thicknes of PVC Insulation (Nom.)	Min. Thickness PVC Of inner sheath	ARMOURED								UNARMOURED			Max. DC Resistance at 20	Max. AC Resistance at 70	Approx. Reactance at 50 Hz	Approx. Capacitance	CURRENT RATINGS		
				Nominal Dimensions of Armour		Min.Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)							
				Strip	Wire	Strip	Wire	Strip	Wire	Strip	Wire										
			mm	mm	mm	mm	mm	mm	mm	(Kg/Km)	(Kg/Km)	mm	mm	Kg/Km	Ohms/Km	Ohms/Km	Ohms/Km	mFd/Km	Direct in Ground Amps	In Air Amps	In Duct Amps
3C X 1.5	7	0.80	0.3	—	1.40	—	1.24	—	14.0	—	420	1.80	11.00	190	18.10	21.72	0.126	0.140	16	14	13
3C X 2.5	7	0.90	0.3	—	1.40	—	1.24	—	15.0	—	500	1.80	12.00	230	12.10	14.52	0.119	0.150	21	18	18
3CX4	7	1.00	0.3	—	1.40	—	1.24	—	16.5	—	595	1.80	13.50	300	7.41	8.89	0.116	0.410	28	23	23
3CX6	7	1.00	0.3	—	1.40	—	1.24	—	17.5	—	685	1.80	14.40	350	4.61	5.53	0.110	0.470	35	30	30
3CX 10	7	1.00	0.3	—	1.40	—	1.40	—	19.5	—	830	1.80	15.60	435	3.08	3.70	0.100	0.560	46	39	40
3CX 16	7	1.00	0.3	4x0.8	1.60	1.40	1.40	18.6	20.2	569	767	1.80	18.40	415	1.91	2.29	0.097	0.760	60	50	51
3CX 25	7	1.20	0.3	4x0.8	1.60	1.40	1.40	21.3	22.9	750	971	2.00	21.50	586	1.20	1.44	0.097	0.860	76	63	70
3CX 35	7	1.20	0.3	4x0.8	1.60	1.40	1.40	23.1	24.7	888	1129	2.00	23.30	705	0.868	1.04	0.097	0.980	92	77	86
3CX 50	7	1.40	0.3	4x0.8	1.60	1.56	1.56	26.6	28.2	1147	1436	2.00	26.50	913	0.641	0.77	0.094	1.020	110	95	105
3CX 70	19	1.40	0.4	4x0.8	2.00	1.56	1.56	29.6	32.0	1426	1914	2.20	29.90	1187	0.443	0.53	0.090	1.180	135	115	130
3C X 95	19	1.60	0.4	4x0.8	2.00	1.56	1.72	33.5	36.2	1815	2420	2.20	33.80	1538	0.320	0.38	0.090	1.200	165	140	155
3C X 120	19	1.60	0.4	4x0.8	2.00	1.72	1.72	37.0	39.4	2166	2796	2.20	37.00	1829	0.253	0.30	0.087	1.310	185	155	180
3C X 150	19	1.80	0.5	4x0.8	2.00	1.88	1.88	40.1	42.4	2584	3249	2.40	40.10	2228	0.206	0.25	0.087	1.310	210	175	205
3C X 185	37	2.00	0.50	4x0.8	2.50	1.88	2.04	44.2	47.9	3009	4246	2.60	44.60	2743	0.164	0.20	0.087	1.310	235	200	240
3C X 240	37	2.2	0.6	4x0.8	2.50	2.20	2.20	51.3	53.7	3945	5171	2.80	50.70	3541	0.125	0.15	0.087	1.340	275	235	280

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Janaki Cable Industry Ltd

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3C X 300	37	2.4	0.6	4x0.8	2.50	2.36	2.36	55.0	58.4	473	6085	3.00	55.50	4296	0.100	0.12	0.086	1.410	305	260	315
3C X 400	61	2.6	0.7	4x0.8	3.15	2.52	2.68	62.6	67.6	5927	8135	3.40	63.80	5537	0.0778	0.09	0.086	1.450	335	290	375



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