

1 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	ARMoured					UNARMoured					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	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. Dimensions of Armour Wire (mm)	Overall Diameter (Approx.) (mm)	Net Wt. of Cable (Kg/Km)	Direct in Ground					In Duct		In Air			
											2 Cables Amps					3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	
1C X 4	1.0	1.3	1.4	1.24	10.9	173	1.00	1.80	8.6	114	4.61	5.52	0.158	0.47	46	39	42	38	43	35	
1C X 6	1.0	1.3	1.4	1.24	11.4	204	1.00	1.80	9.1	142	3.08	3.69	0.148	0.56	57	49	54	48	54	44	
1C X 10	6.0	1.3	1.4	1.24	12.3	259	1.00	1.80	10.1	190	1.83	2.19	0.138	0.67	75	65	72	64	72	60	
1C X 16	6.0	1.3	1.4	1.24	13.1	320	1.00	1.80	10.8	248	1.15	1.38	0.128	0.81	94	85	92	83	92	82	
1C X 25	6.0	1.5	1.4	1.24	14.7	440	1.20	1.80	12.4	357	0.727	0.87	0.120	0.87	125	110	120	110	125	110	
1C X 35	6.0	1.5	1.4	1.24	15.7	548	1.20	1.80	13.4	458	0.524	0.627	0.114	1.00	150	135	140	125	155	130	
1C X 50	6.0	1.7	1.4	1.24	17.2	696	1.40	1.80	14.9	595	0.387	0.463	0.110	1.03	180	155	165	150	190	165	
1C X 70	12.0	1.7	1.4	1.40	19.1	930	1.40	1.80	16.5	805	0.268	0.321	0.103	1.21	220	190	200	175	235	205	
1C X 95	15.0	1.9	1.6	1.40	21.6	1243	1.60	1.80	18.6	1081	0.193	0.231	0.101	1.27	265	220	230	200	275	245	
1C X 120	18.0	1.9	1.6	1.40	23.7	1515	1.60	2.00	21.1	1332	0.153	0.184	0.096	1.42	300	250	255	220	310	280	
1C X 150	18.0	2.1	1.6	1.40	24.8	1802	1.80	2.00	22.2	1630	0.124	0.149	0.094	1.42	340	280	280	245	345	320	
1C X 185	30.0	2.3	1.6	1.40	27.1	2198	2.00	2.00	24.5	2013	0.0991	0.12	0.092	1.44	380	305	305	260	390	370	
1C X 240	34.0	2.5	1.6	1.56	30.2	2822	2.20	2.00	27.3	2592	0.0754	0.091	0.090	1.53	420	345	340	285	445	425	
1C X 300	34.0	2.8	2.0	1.56	33.7	3542	2.40	2.00	29.8	3202	0.0601	0.074	0.088	1.56	465	375	370	310	500	475	
1C X 400	53.0	3.0	2.0	1.56	37.1	4412	2.60	2.20	33.6	4070	0.0470	0.059	0.088	1.56	500	400	405	335	570	550	
1C X 500	53.0	3.4	2.0	1.72	41.2	5585	3.00	2.20	37.4	5175	0.0366	0.046	0.087	1.57	540	425	430	355	610	590	
1C X 630	53.0	3.9	2.0	1.88	46.2	7138	3.40	2.40	42.2	6664	0.0283	0.037	0.086	1.57	590	470	465	375	680	660	
1C X 800	53.0	3.9	2.0	1.88	52.0	9000	3.40	2.40	48.0	8248	0.0221	0.031	0.083	1.75	664	530	523	425	766	743	
1C X 1000	53.0	4.0	2.5	2.04	57.3	11167	3.40	2.60	52.2	10419	0.0176	0.027	0.082	1.94	733	585	579	467	856	830	

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Email:info@powercabwires.com Email:sales@smruticable.com Phone:+91 98250 15073



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