

2 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	Min. Thickness of PVC inner sheath mm	ARMoured								UNARMoured			Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Reactance at 50 Hz	Approx. Capacitance mFd/Km	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 mm	Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/Km					Ohms/Km	Ohms/Km	Ohms/Km	mFd/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)														
2C X 1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	—	407	1.80	10.40	194	12.1	14.5	0.126	0.14	23	20	20				
2C X 2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	—	482	1.80	11.90	248	7.4	8.87	0.119	0.15	32	27	27				
2C X 4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	—	596	1.80	13.40	316	4.6	5.52	0.116	0.16	41	35	35				
2C X 6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	—	711	1.80	14.40	397	3.08	3.69	0.110	0.19	50	44	45				
2C X 10	6	1.00	0.30	—	1.40	—	1.24	—	19.0	—	863	1.80	15.90	515	1.83	2.19	0.100	0.22	70	58	60				
2C X 16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	18.8	20.4	721	917	1.80	18.00	531	1.115	1.38	0.097	0.29	90	75	78				
2C X 25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	20.8	22.4	965	1193	2.00	20.40	767	0.722	0.87	0.097	0.32	115	97	105				
2C X 35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	21.8	23.4	1176	1405	2.00	21.40	966	0.524	0.627	0.097	0.37	140	120	125				
2C X 50	6	1.40	0.30	4x0.8	1.60	1.40	1.56	24.3	26.2	1494	1768	2.00	23.90	1254	0.387	0.463	0.094	0.37	165	145	155				
2C X 70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	1963	2250	2.00	26.00	1677	0.268	0.321	0.090	0.44	205	180	195				
2C X 95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	2577	3081	2.20	29.90	2274	0.193	0.231	0.090	0.44	240	215	230				
2C X 120	18	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	3082	3639	2.20	31.40	2760	0.153	0.184	0.087	0.49	275	235	265				
2C X 150	18	1.80	0.40	4x0.8	2.00	1.72	1.72	35.4	37.8	3765	4369	2.40	35.20	3409	0.124	0.149	0.087	0.49	310	270	305				
2C X 185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	39.4	41.5	4626	5281	2.40	38.50	4201	0.0991	0.120	0.087	0.49	350	300	350				
2C X 240	34	2.20	0.50	4x0.8	2.50	2.04	2.04	42.5	45.9	5865	6893	2.60	42.00	5409	0.0754	0.091	0.087	0.50	405	345	410				
2C X 300	34	2.40	0.60	4x0.8	2.50	2.20	2.20	48.0	51.9	7250	8424	2.80	45.10	6732	0.0601	0.073	0.086	0.52	450	385	465				
2C X 400	53	2.60	0.70	4x0.8	3.15	2.36	2.52	55.5	60.5	9188	11171	3.20	52.50	8466	0.0470	0.059	0.086	0.53	490	425	530				

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