



2 -CORE-COPPER PVC ARMOURED & UNARMoured POWER CABLES

				ARMoured								UNARMoured							CURRENT RATINGS		
No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	Min. Thickness of PVC inner sheath	Nominal Dimensions of Armour		Min. Thickness of PVC Outers heath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer sheath	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Reactance at 50 Hz	Approx. Capacitance	Direct in Ground	In Duct	In Air
		mm		Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)	mm	mm	Kg/Km	Oh,s/Km	Oh,s/Km	Oh,s/Km	Mfd/Km	Amps	Amps	Amps
2C X 1.5	7	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	7	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
2CX4	7	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
2CX6	7	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
2CX 10	7	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	7	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	7	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	7	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	7	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	19	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	19	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	19	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	19	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	37	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	37	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	37	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	61	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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