



3 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No. of Cores & Cross sectional area	Min. No. of wires	Thicknes of PVC Insulation (Nom.)	Min. Thicknes s of PVC 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)					Direct in Ground	In Air	In Duct
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)										
3C X 1.5	7	0.80	0.3	—	1.4	—	1.24	—	14.0	—	442	1.80	11.00	218	12.1	14.5	0.126	0.14	21	17	17
3C X 2.5	7	0.90	0.3	—	1.4	—	1.24	—	15.0	—	542	1.80	12.00	284	7.41	8.87	0.119	0.15	27	24	24
3C X 4	7	1.00	0.3	—	1.4	—	1.24	—	16.5	—	663	1.80	13.50	372	4.61	5.52	0.116	0.41	36	30	30
3C X 6	7	1.00	0.3	—	1.4	—	1.24	—	17.5	—	789	1.80	14.40	470	3.08	3.69	0.110	0.47	45	39	38
3CX 10	7	1.00	0.3	—	1.4	—	1.40	—	19.5	—	1017	1.80	15.60	629	1.83	2.19	0.100	0.56	60	57	50
3CX 16	7	1.00	0.3	4x0.8	1.6	1.40	1.40	18.6	20.2	859	1057	1.80	18.40	705	1.15	1.38	0.097	0.76	77	66	64
3C X 25	7	1.20	0.3	4x0.8	1.6	1.40	1.40	21.3	22.9	1210	1431	2.00	21.50	1046	0.727	0.87	0.097	0.86	99	90	81
3C X 35	7	1.20	0.3	4x0.8	1.6	1.40	1.40	23.1	24.7	1532	1773	2.00	23.30	1350	0.524	0.627	0.097	0.98	120	110	99
3C X 50	7	1.40	0.3	4x0.8	1.6	1.56	1.56	26.6	28.2	2016	2305	2.00	26.50	1783	0.387	0.463	0.094	1.02	145	135	125
3C X 70	19	1.40	0.4	4x0.8	2.0	1.56	1.56	29.6	32.0	2684	3173	2.20	29.90	2446	0.268	0.321	0.090	1.18	175	165	150
3C X 95	19	1.60	0.4	4x0.8	2.0	1.56	1.72	33.5	36.2	3564	4169	2.20	33.80	3286	0.193	0.231	0.090	1.20	210	200	175
3C X 120	19	1.60	0.4	4x0.8	2.0	1.72	1.72	37.0	39.4	4371	5001	2.20	37.00	4034	0.153	0.184	0.087	1.31	240	230	195
3C X 150	19	1.80	0.5	4x0.8	2.0	1.88	1.88	40.1	42.4	5309	5974	2.40	40.10	4954	0.124	0.149	0.087	1.31	270	265	225
3C X 185	37	2.00	0.50	4x0.8	2.5	1.88	2.04	44.2	47.9	6502	7648	2.60	44.60	6145	0.0991	0.12	0.087	1.31	300	305	255
3C X 240	37	2.2	0.6	4x0.8	2.5	2.20	2.20	51.3	53.7	8422	9648	2.80	50.70	8018	0.0754	0.0912	0.087	1.34	345	355	295
3C X 300	37	2.4	0.6	4x0.8	2.5	2.36	2.36	55.0	58.4	10356	11710	3.00	55.50	9920	0.0601	0.0739	0.086	1.41	385	400	335
3C X 400	61	2.6	0.7	4x0.8	3.2	2.52	2.68	62.6	67.6	13107	15315	3.40	63.80	12717	0.047	0.0592	0.086	1.45	425	455	360

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