

4 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					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)										
4C X 1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	—	503	1.80	11.70	256	12.1	14.5	0.126	0.14	21	17	17
4C X 2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	—	616	1.80	13.20	335	7.4	8.87	0.119	0.15	27	24	24
4C X 4	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	771	1.80	15.00	446	4.6	5.52	0.116	0.41	36	30	30
4C X 6	1	1.0	0.3	—	1.40	—	1.24	—	19.0	—	947	1.80	16.00	576	3.1	3.69	0.110	0.47	45	39	38
4C X 10	6	1.0	0.3	4x0.8	1.60	1.40	1.40	21.5	23.0	1045	1273	1.80	19.00	773	1.8	2.19	0.100	0.56	60	57	50
4C X 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	22.2	23.8	1113	1352	2.00	22.40	940	1.2	1.38	0.097	0.76	77	66	64
4C X 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.6	25.2	1529	1779	2.00	23.80	1342	0.727	0.87	0.097	0.86	99	90	81
4C X 35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	25.9	27.8	1955	2254	2.00	26.10	1744	0.524	0.62	0.097	0.98	120	110	99
4C X 50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	2593	3096	2.20	30.60	2347	0.387	0.46	0.094	1.02	145	135	125
4C X 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	3459	4015	2.20	33.70	3183	0.268	0.32	0.090	1.18	175	165	150
4C X 95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	4643	5280	2.40	38.60	4330	0.193	0.23	0.090	1.20	210	200	175
4C X 120	18	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	5702	6393	2.40	41.70	5330	0.153	0.18	0.087	1.31	240	230	195
4C X 150	18	1.8	0.5	4x0.8	2.50	1.88	2.04	44.7	48.4	6872	8012	2.60	45.10	6511	0.124	0.14	0.087	1.31	270	265	225
4C X 185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	50.1	53.8	8519	9782	2.80	50.80	8152	0.0991	0.12	0.087	1.31	300	305	255
4C X 240	34	2.2	0.6	4x0.8	2.50	2.36	2.36	56.7	60.1	11008	12415	3.00	57.20	10557	0.0754	0.091	0.087	1.34	345	355	295
4C X 300	34	2.4	0.7	4x0.8	3.15	2.52	2.68	62.9	68.0	13610	15877	3.40	64.10	13218	0.0601	0.073	0.086	1.41	385	400	335
4C X 400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	70.6	75.3	17213	19697	3.60	71.50	16729	0.0470	0.059	0.086	1.45	425	455	360