

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											
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)														
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				
4CX 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				