

# 4 CORE ALUMINIUM 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)														
4CX1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	—	470	1.80	11.70	210	18.10	21.72	0.126	0.140	16	14	13				
4Cx2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	—	560	1.80	13.20	270	12.10	14.52	0.119	0.150	21	18	18				
4Cx4	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	675	1.80	15.00	340	7.41	8.89	0.116	0.410	28	23	23				
4Cx6	1	1.0	0.3	—	1.40	—	1.24	—	19.0	—	800	1.80	16.00	420	4.61	5.53	0.110	0.470	35	30	30				
4Cx10	1	1.0	0.3	4x0.8	1.60	1.40	1.40	21.5	23.0	800	1030	1.80	19.00	510	3.08	3.70	0.100	0.560	46	39	40				
4Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	22.2	23.8	727	966	2.00	22.40	553	1.91	2.29	0.097	0.760	60	50	51				
4Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.6	25.2	915	1165	2.00	23.80	728	1.20	1.44	0.097	0.860	76	63	70				
4Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	25.9	27.8	1097	1396	2.00	26.10	886	0.868	1.04	0.097	0.980	92	77	86				
4Cx50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	1432	1935	2.20	30.60	1187	0.641	0.77	0.094	1.020	110	95	105				
4Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	1781	2336	2.20	33.70	1505	0.443	0.53	0.090	1.180	135	115	130				
4Cx95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	2311	2948	2.40	38.60	1997	0.320	0.38	0.090	1.200	165	140	155				
4Cx120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	2762	3453	2.40	41.70	2390	0.253	0.30	0.087	1.310	185	155	180				
4Cx150	15	1.8	0.5	4x0.8	2.50	1.88	2.04	44.7	48.4	3246	4387	2.60	45.10	2885	0.206	0.25	0.087	1.310	210	175	205				
4Cx185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	50.1	53.8	3982	5245	2.80	50.80	3615	0.164	0.20	0.087	1.310	235	200	240				
4Cx240	30	2.2	0.6	4x0.8	2.50	2.36	2.36	56.7	60.1	5038	6445	3.00	57.20	4587	0.125	0.15	0.087	1.340	275	235	280				
4Cx300	30	2.4	0.7	4x0.8	3.15	2.52	2.68	62.9	68.0	6109	8376	3.40	64.10	5716	0.100	0.12	0.086	1.410	305	260	315				
4Cx400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	70.6	75.3	7640	10124	3.60	71.50	7157	0.0778	0.09	0.086	1.450	335	290	375				