

3 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)														
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)														
3Cx1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.0	—	420	1.80	11.00	190	18.10	21.72	0.126	0.140	16	14	13				
3Cx2.5	1	0.9	0.3	—	1.40	—	1.24	—	15.0	—	500	1.80	12.00	230	12.10	14.52	0.119	0.150	21	18	18				
3Cx4	1	1.0	0.3	—	1.40	—	1.24	—	16.5	—	595	1.80	13.50	300	7.41	8.89	0.116	0.410	28	23	23				
3Cx6	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	685	1.80	14.40	350	4.61	5.53	0.110	0.470	35	30	30				
3Cx10	1	1.0	0.3	—	1.40	—	1.40	—	19.5	—	830	1.80	15.60	435	3.08	3.70	0.100	0.560	46	39	40				
3Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	18.6	20.2	569	767	1.80	18.40	415	1.91	2.29	0.097	0.760	60	50	51				
3Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	20.3	22.9	750	971	2.00	21.50	586	1.20	1.44	0.097	0.860	76	63	70				
3Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	23.1	24.7	888	1129	2.00	23.30	705	0.868	1.04	0.097	0.980	92	77	86				
3Cx50	6	1.4	0.3	4x0.8	1.60	1.56	1.56	26.6	28.2	1147	1436	2.00	26.50	913	0.641	0.77	0.094	1.020	110	95	105				
3Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	29.6	32.0	1426	1914	2.20	29.90	1187	0.443	0.53	0.090	1.180	135	115	130				
3Cx95	15	1.6	0.4	4x0.8	2.00	1.56	1.72	33.5	36.2	1815	2420	2.20	33.80	1538	0.320	0.38	0.090	1.200	165	140	155				
3Cx120	15	1.6	0.4	4x0.8	2.00	1.72	1.72	37.0	39.4	2166	2796	2.20	37.00	1829	0.253	0.30	0.087	1.310	185	155	180				
3Cx150	15	1.8	0.5	4x0.8	2.00	1.88	1.88	40.1	42.4	2584	3249	2.40	40.10	2228	0.206	0.25	0.087	1.310	210	175	205				
3Cx185	30	2.0	0.5	4x0.8	2.50	1.88	2.04	44.2	47.9	3009	4246	2.60	44.60	2743	0.164	0.20	0.087	1.310	235	200	240				
3Cx240	30	2.2	0.6	4x0.8	2.50	2.20	2.20	50.3	53.7	3945	5171	2.80	50.70	3541	0.125	0.15	0.087	1.340	275	235	280				
3Cx300	30	2.4	0.6	4x0.8	2.50	2.36	2.36	55.0	58.4	4731	6085	3.00	55.50	4296	0.100	0.12	0.086	1.410	305	260	315				
3Cx400	53	2.6	0.7	4x0.8	3.15	2.52	2.68	62.6	67.6	5927	8135	3.40	63.80	5537	0.0778	0.09	0.086	1.450	335	290	375				

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