

## 2 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.) (mm)	Min. Thickness of inner-sheath (mm)	Nominal Dimensions of Armour Wire Strip (mm)		Min. Thickness of Outersheath Wire Strip (mm)		Overall Diameter (Approx.) (mm)		Approx. Net Wt. of Cable (Kg/Km)		Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS	
					Wire	Strip	Wire	Strip	Wire	Strip	Wire	Strip					Direct in Ground Amps	In Air Amps
A2xfy/A2xwy	2CX25	6	0.90	0.3	1.60	4X0.8	1.40	1.40	21.2	19.6	797	582	1.2000	1.5400	0.080	0.20	112	98
A2xfy/A2xwy	2CX35	6	0.90	0.3	1.60	4X0.8	1.40	1.40	22.2	20.6	880	664	0.8680	1.1100	0.080	0.23	138	124
A2xfy/A2xwy	2CX50	6	1.00	0.3	1.60	4X0.8	1.40	1.40	24.3	22.7	1056	808	0.6410	0.8200	0.078	0.24	169	156
A2xfy/A2xwy	2CX70	12	1.10	0.3	1.60	4X0.8	1.56	1.56	27.1	25.5	1287	1013	0.4430	0.5670	0.077	0.26	200	188
A2xfy/A2xwy	2CX95	15	1.10	0.4	2.00	4X0.8	1.56	1.56	30.8	28.4	1738	1255	0.3200	0.4100	0.074	0.29	238	231
A2xfy/A2xwy	2CX120	15	1.20	0.4	2.00	4X0.8	1.56	1.56	32.7	30.3	1967	1464	0.2530	0.3250	0.072	0.29	262	262
A2xfy/A2xwy	2CX150	15	1.40	0.4	2.00	4X0.8	1.72	1.72	36.2	33.8	2334	1754	0.2060	0.2650	0.072	0.29	300	300
A2xfy/A2xwy	2CX185	30	1.60	0.5	2.00	4X0.8	1.88	1.72	39.9	37.1	2763	2105	0.1640	0.2110	0.072	0.29	344	344
A2xfy/A2xwy	2CX240	30	1.70	0.5	2.50	4X0.8	2.04	1.88	43.9	40.2	3568	2556	0.1250	0.1620	0.072	0.31	400	406
A2xfy/A2xwy	2CX300	30	1.80	0.6	2.50	4X0.8	2.20	2.04	49.5	45.8	4273	3102	0.1000	0.1300	0.071	0.33	444	456
A2xfy/A2xwy	2CX400	53	2.00	0.6	2.50	4X0.8	2.36	2.36	54.0	50.0	5600	4230	0.0778	0.1023	0.070	0.33	481	525

## 2 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.) (mm)	Min. Thickness of innersheath (mm)	Nom. Thickness of Outersheath (mm)	Overall Diameter (Approx.) (mm)	Net Wt. of Cable (Approx.) (Kg/Km)	Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Resistance at 90°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Current Ratings	
												Direct in Ground Amps	In Air Amps
A2xy	2CX25	6	0.90	0.3	2.00	19.2	400	1.20	1.54	0.080	0.20	112	98
A2xy	2CX35	6	0.90	0.3	2.00	20.2	469	0.87	1.11	0.080	0.23	138	124
A2xy	2CX50	6	1.00	0.3	2.00	22.3	588	0.64	0.82	0.078	0.24	169	156
A2xy	2CX70	12	1.10	0.3	2.00	24.8	743	0.44	0.57	0.077	0.26	200	188
A2xy	2CX95	15	1.10	0.4	2.20	28.1	974	0.32	0.41	0.074	0.29	238	231
A2xy	2CX120	15	1.20	0.4	2.20	30.0	1159	0.25	0.33	0.072	0.29	262	262
A2xy	2CX150	15	1.40	0.4	2.20	33.2	1386	0.21	0.27	0.072	0.29	300	300
A2xy	2CX185	30	1.60	0.5	2.40	36.9	1728	0.16	0.21	0.072	0.29	344	344
A2xy	2CX240	30	1.70	0.5	2.60	40.0	2155	0.13	0.16	0.072	0.31	400	406
A2xy	2CX300	30	1.80	0.6	2.80	45.7	2649	0.10	0.13	0.071	0.33	444	456
A2xy	2CX400	53	2.00	0.6	3.00	49.0	3530	0.08	0.10	0.070	0.33	481	525