

3 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	3CX25	6	0.9	0.3	1.6	4X0.8	1.4	1.4	21.7	20.1	861	654	1.2	1.54	0.08	0.2	94	96
A2xfy/A2xwy	3CX35	6	0.9	0.3	1.6	4X0.8	1.4	1.4	23.8	22.7	1028	789	0.868	1.11	0.08	0.23	113	117
A2xfy/A2xwy	3CX50	6	1	0.3	1.6	4X0.8	1.56	1.4	26.5	24.6	1252	966	0.641	0.82	0.078	0.24	133	142
A2xfy/A2xwy	3CX70	12	1.1	0.4	2	4X0.8	1.56	1.56	31.3	28.9	1790	1290	0.443	0.567	0.077	0.26	164	179
A2xfy/A2xwy	3CX95	15	1.1	0.4	2	4X0.8	1.56	1.56	33.5	31.1	2091	1575	0.32	0.41	0.074	0.29	196	221
A2xfy/A2xwy	3CX120	15	1.2	0.4	2	4X0.8	1.72	1.56	38.4	35.7	2549	2926	0.253	0.325	0.072	0.29	223	257
A2xfy/A2xwy	3CX150	15	1.4	0.5	2	4X0.8	1.88	1.72	42.0	39.2	3020	2317	0.206	0.265	0.072	0.29	249	292
A2xfy/A2xwy	3CX185	30	1.6	0.5	2.5	4X0.8	2.04	1.88	47.0	43.3	3940	2808	0.164	0.211	0.072	0.29	282	337
A2xfy/A2xwy	3CX240	30	1.7	0.6	2.5	4X0.8	2.2	2.04	50.0	46.3	4616	3453	0.125	0.162	0.072	0.31	326	399
A2xfy/A2xwy	3CX300	30	1.8	0.6	2.5	4X0.8	2.36	2.2	55.3	51.6	5495	4169	0.1	0.13	0.071	0.33	367	455
A2xfy/A2xwy	3CX400	53	2	0.7	3.15	4X0.8	2.68	2.52	63.5	58.4	6354	5267	0.0778	0.1023	0.07	0.33	418	530

3 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	3CX25	6	0.90	0.30	2	20.3	502	1.2000	1.5400	0.080	0.20	94	96
A2xy	3CX35	6	0.90	0.30	2	22.4	616	0.8680	1.1100	0.080	0.23	113	117
A2xy	3CX50	6	1.00	0.30	2	25.0	782	0.6410	0.8200	0.078	0.24	133	142
A2xy	3CX70	12	1.10	0.40	2.2	29.2	1059	0.4430	0.5670	0.077	0.26	164	179
A2xy	3CX95	15	1.10	0.40	2.2	31.4	1322	0.3200	0.4100	0.074	0.29	196	221
A2xy	3CX120	15	1.20	0.40	2.2	36.0	1626	0.2530	0.3250	0.072	0.29	223	257
A2xy	3CX150	15	1.40	0.50	2.4	39.6	1997	0.2060	0.2650	0.072	0.29	249	292
A2xy	3CX185	30	1.60	0.50	2.6	43.7	2461	0.1640	0.2110	0.072	0.29	282	337
A2xy	3CX240	30	1.70	0.60	2.8	47.0	3118	0.1250	0.1620	0.072	0.31	326	399
A2xy	3CX300	30	1.80	0.60	3	52.4	3801	0.1000	0.1300	0.071	0.33	367	455
A2xy	3CX400	53	2.00	0.70	3.2	59.2	4853	0.0778	0.1023	0.070	0.33	418	530