

2 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area mm ²	Min. No. of wires	Thickness of XLPE Insulation (Nom) mm	Min Thickness of PVC inner sheath mm	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Approx. Net Wt. of Cable		Max. DC Resistance at 20°C Ohm/Km	Max. AC Resistance at 90°C Ohm/Km	Approx. Reactance at 50 Hz Ohm/Km	Approx. Capacitance mFd/Km	Current Ratings	
					Strip mm	Wire mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire Kg/Km	Strip Kg/Km					Direct in Ground Amps	In Air Amps
2XWY/2XFY	2C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	21.2	19.6	1103	889	0.727	0.930	0.080	0.20	144	131
2XWY/2XFY	2C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	22.2	20.6	1309	1093	0.524	0.671	0.080	0.23	175	150
2XWY/2XFY	2C X 50	6	1.00	0.3	4x0.8	1.60	1.40	1.40	24.3	22.7	1626	1379	0.387	0.495	0.078	0.24	206	194
2XWY/2XFY	2C X 70	12	1.10	0.3	4x0.8	1.60	1.56	1.56	27.1	25.5	2126	1852	0.268	0.343	0.077	0.26	256	244
2XWY/2XFY	2C X 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	30.8	28.4	2904	2422	0.193	0.247	0.074	0.29	300	288
2XWY/2XFY	2C X 120	18	1.20	0.4	4x0.8	2.00	1.56	1.56	32.7	30.3	3436	2933	0.153	0.196	0.072	0.29	344	331
2XWY/2XFY	2C X 150	18	1.40	0.4	4x0.8	2.00	1.72	1.72	36.2	33.8	4150	3571	0.124	0.159	0.072	0.29	388	381
2XWY/2XFY	2C X 185	30	1.60	0.5	4x0.8	2.00	1.88	1.72	39.9	37.1	5032	4373	0.0991	0.127	0.072	0.29	438	438
2XWY/2XFY	2C X 240	34	1.70	0.5	4x0.8	2.50	2.04	1.88	43.9	40.2	6553	5541	0.0754	0.0965	0.072	0.31	506	512
2XWY/2XFY	2C X 300	34	1.80	0.6	4x0.8	2.50	2.20	2.04	49.5	45.8	8024	6854	0.0601	0.0769	0.071	0.33	562	581
2XWY/2XFY	2C X 400	53	2.00	0.6	4x0.8	2.50	2.36	2.36	54.0	50.0	9688	8437	0.0470	0.0602	0.070	0.33	612	662

2 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area mm ²	Min. No. of wires	Thickness of XLPE Insulation (Nom.) mm	Min. Thickness of PVC inner sheath mm	Nominal Thickness of PVC Outer Sheath mm	Overall Diameter (Approx) mm	Approx. Net Wt. of Cable Kg/Km	Max. DC Resistance at 20° C Ohm/Km	Max. AC Resistance at 90° C Ohm/Km	Approx. Reactance at 50 HZ Ohm/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS	
												Direct in Ground Amps	In Air Amps
2XY	2C X 25	6	0.90	0.3	2.00	19.2	706	0.727	0.930	0.080	0.20	144	131
2XY	2C X 35	6	0.90	0.3	2.00	20.2	898	0.524	0.671	0.080	0.23	175	150
2XY	2C X 50	6	1.00	0.3	2.00	22.3	1158	0.387	0.495	0.078	0.24	206	194
2XY	2C X 70	12	1.10	0.3	2.00	24.8	1582	0.268	0.343	0.077	0.26	256	244
2XY	2C X 95	15	1.10	0.4	2.20	28.1	2140	0.193	0.247	0.074	0.29	300	288
2XY	2C X 120	18	1.20	0.4	2.20	30.0	2628	0.153	0.196	0.072	0.29	344	331
2XY	2C X 150	18	1.40	0.4	2.20	33.2	3202	0.124	0.159	0.072	0.29	388	381
2XY	2C X 185	30	1.60	0.5	2.40	36.9	3997	0.0991	0.127	0.072	0.29	438	438
2XY	2C X 240	34	1.70	0.5	2.60	40.0	5140	0.0754	0.0965	0.072	0.31	506	512
2XY	2C X 300	34	1.80	0.6	2.80	45.7	6400	0.0601	0.0769	0.071	0.33	562	581
2XY	2C X 400	53	2.00	0.6	3.00	49.0	7732	0.0470	0.0602	0.070	0.33	612	662