

3 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	3C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	21.7	20.1	1322	1114	0.727	0.930	0.080	0.20	119	108
2XWY/2XFY	3C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	1673	1434	0.524	0.671	0.080	0.23	144	132
2XWY/2XFY	3C X 50	6	1.00	0.3	4x0.8	1.60	1.56	1.40	26.5	24.6	2122	1836	0.387	0.495	0.078	0.24	174	162
2XWY/2XFY	3C X 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	31.3	28.9	3048	2548	0.268	0.343	0.077	0.26	210	198
2XWY/2XFY	3C X 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	33.5	31.1	3840	3324	0.193	0.247	0.074	0.29	252	240
2XWY/2XFY	3C X 120	18	1.20	0.4	4x0.8	2.00	1.72	1.56	38.4	35.7	4753	4130	0.153	0.196	0.072	0.29	288	276
2XWY/2XFY	3C X 150	18	1.40	0.5	4x0.8	2.00	1.88	1.72	42.0	39.2	5746	5043	0.124	0.159	0.072	0.29	324	318
2XWY/2XFY	3C X 185	30	1.60	0.5	4x0.8	2.50	2.04	1.88	47.0	43.3	7333	6211	0.0991	0.127	0.072	0.29	360	366
2XWY/2XFY	3C X 240	34	1.70	0.6	4x0.8	2.50	2.20	2.04	50.0	46.3	9093	7930	0.0754	0.0965	0.072	0.31	414	426
2XWY/2XFY	3C X 300	34	1.80	0.6	4x0.8	2.50	2.36	2.20	55.3	51.6	11119	9794	0.0601	0.0769	0.071	0.33	462	480
2XWY/2XFY	3C X 400	53	2.00	0.7	4x0.8	3.15	2.68	2.52	63.5	58.4	14533	12447	0.0470	0.0602	0.070	0.33	510	546

3 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	3C X 25	6	0.90	0.3	2.00	20.30	962	0.727	0.930	0.080	0.20	119	108
2XY	3C X 35	6	0.90	0.3	2.00	22.40	1260	0.524	0.671	0.080	0.23	144	132
2XY	3C X 50	6	1.00	0.3	2.00	25.00	1651	0.387	0.495	0.078	0.24	174	162
2XY	3C X 70	12	1.10	0.4	2.20	29.20	2317	0.268	0.343	0.077	0.26	210	198
2XY	3C X 95	15	1.10	0.4	2.20	31.40	3071	0.193	0.247	0.074	0.29	252	240
2XY	3C X 120	18	1.20	0.4	2.20	36.00	3831	0.153	0.196	0.072	0.29	288	276
2XY	3C X 150	18	1.40	0.5	2.40	39.60	4722	0.124	0.159	0.072	0.29	324	318
2XY	3C X 185	30	1.60	0.5	2.60	43.70	5863	0.0991	0.127	0.072	0.29	360	366
2XY	3C X 240	34	1.70	0.6	2.80	47.00	7595	0.0754	0.0965	0.072	0.31	414	426
2XY	3C X 300	34	1.80	0.6	3.00	52.20	9426	0.0601	0.0769	0.071	0.33	462	480
2XY	3C X 400	53	2.00	0.7	3.20	59.20	12032	0.0470	0.0602	0.070	0.33	510	546