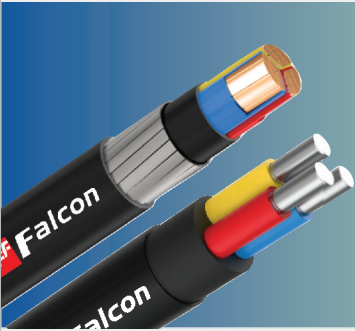


**COPPER & ALUMINIUM ARMoured & UNARMoured CABLES
(LT / LV POWER CABLES)**



Single Core/Multicore PVC/XLPE Armored/Unarmoured Power Cable with Copper/Aluminium Conductor

Technical Information		
Type	Sizes	voltage Rating
PVC / XLPE insulated cables conforming to IS:1554-I / IS:7098-I, and Customer specific Requirements	Single Core upto 630 sq. mm MuLVl core upto 120 sq. mm	Upto1.1 kV

Construction	
Conductor	Stranded / Solid / Circular / shaped as per IS:8130, IEC 60228
Material	Aluminum / Copper
Insulation	PVC /XLPE/HR PVC / Zero Halogen
Inner sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502
Armour	G.S STEEL ROUND WIRE /G.S. STEEL FORMED WIRE (STRIP) / G.S. STEEL TAPE/ALUMINIUM ROUND WIRE / ALUMINIUM FORMED WIRE (STRIP)/ ALUMINIUM TAPE as per IS 3975, IEC 60502 P-1.
Outer sheath	PVC /HR PVC /FR/FRLS PVC / Zero Halogen as per IS 5831, IEC 60502.

1 CORE ALUMINIUM PVC ARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	ARMoured				Max. D.C. Resistance at 20°C Ohms/Km	CURRENT RATINGS					
		Thickness of PVC insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)		Direct in Ground		In Duct		In Air	
							2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1CX4	1	1.3	1.4	1.24	10.9	7.4100	36	31	33	30	32	27
1CX6	1	1.3	1.4	1.24	11.4	4.6100	44	39	42	37	41	35
1CX10	1	1.3	1.4	1.24	12.3	3.0800	59	51	56	51	56	47
1CX16	6	1.3	1.4	1.24	13.1	1.9100	75	66	71	65	72	64
1CX25	6	1.5	1.4	1.24	14.7	1.2000	97	86	93	84	99	84
1CX35	6	1.5	1.4	1.24	15.7	0.8680	120	100	110	100	120	105
1CX50	6	1.7	1.4	1.24	17.2	0.6410	145	120	130	115	150	130
1CX70	12	1.7	1.4	1.40	19.1	0.4430	175	140	155	135	185	155
1CX95	15	1.9	1.6	1.40	21.6	0.3200	210	175	195	155	215	190
1CX120	15	1.9	1.6	1.40	23.7	0.2530	240	195	200	170	240	220
1CX150	15	2.1	1.6	1.40	24.8	0.2060	270	220	220	190	270	250
1CX185	30	2.3	1.6	1.40	27.1	0.1640	305	240	240	210	305	290
1CX240	30	2.5	1.6	1.56	30.2	0.1250	335	270	270	225	350	335
1CX300	30	2.8	2.0	1.56	33.7	0.1000	370	295	295	245	395	380
1CX400	53	3.0	2.0	1.56	37.1	0.0778	410	325	335	275	455	435
1CX500	53	3.4	2.0	1.72	41.2	0.0605	435	345	355	295	490	480
1CX630	53	3.9	2.0	1.88	46.2	0.0469	485	390	395	320	560	550

1 CORE ALUMINIUM PVC UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	UNARMoured			Max. D.C. Resistance at 20°C Ohms/Km	CURRENT RATINGS					
		Thickness of insulation (Nom.) (mm)	Nom. Thickness of outer Sheath	Overall Diameter (Approx.) (mm)		Direct in Ground		In Duct		In Air	
						2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1CX4	1	1.0	1.8	8.60	7.4100	36	31	33	30	32	27
1CX6	1	1.0	1.8	9.10	4.6100	44	39	42	37	41	35
1CX10	1	1.0	1.8	10.10	3.0800	59	51	56	51	56	47
1CX16	6	1.0	1.8	10.80	1.9100	75	66	71	65	72	64
1CX25	6	1.2	1.8	12.40	1.2000	97	86	93	84	99	84
1CX35	6	1.2	1.8	13.40	0.8680	120	100	110	100	120	105
1CX50	6	1.4	1.8	14.90	0.6410	145	120	130	115	150	130
1CX70	12	1.4	1.8	16.50	0.4430	175	140	155	135	185	155
1CX95	15	1.6	1.8	18.60	0.3200	210	175	195	155	215	190
1CX120	15	1.6	2.0	21.10	0.2530	240	195	200	170	240	220
1CX150	15	1.8	2.0	22.20	0.2060	270	220	220	190	270	250
1CX185	30	2.0	2.0	24.50	0.1640	305	240	240	210	305	290
1CX240	30	2.2	2.0	27.30	0.1250	335	270	270	225	350	335
1CX300	30	2.4	2.0	29.80	0.1000	370	295	295	245	395	380
1CX400	53	2.6	2.2	33.60	0.0778	410	325	335	275	455	435
1CX500	53	3.0	2.2	37.40	0.0605	435	345	355	295	490	480
1CX630	53	3.4	2.4	42.20	0.0469	485	390	395	320	560	550

1 CORE COPPER PVC ARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	ARMoured				Max. D.C. Resistance at 20 Ohms/Km	CURRENT RATINGS					
		Thickness of PVC insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)		Direct in Ground		In Duct		In Air	
							2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1C X 4	1.0	1.3	1.4	1.24	10.9	4.61	46	39	42	38	43	35
1C X 6	1.0	1.3	1.4	1.24	11.4	3.08	57	49	54	48	54	44
1C X 10	6.0	1.3	1.4	1.24	12.3	1.83	75	65	72	64	72	60
1C X 16	6.0	1.3	1.4	1.24	13.1	1.15	94	85	92	83	92	82
1C X 25	6.0	1.5	1.4	1.24	14.7	0.73	125	110	120	110	125	110
1C X 35	6.0	1.5	1.4	1.24	15.7	0.52	150	135	140	125	155	130
1C X 50	6.0	1.7	1.4	1.24	17.2	0.39	180	155	165	150	190	165
1C X 70	12.0	1.7	1.4	1.40	19.1	0.27	220	190	200	175	235	205
1C X 95	15.0	1.9	1.6	1.40	21.6	0.19	265	220	230	200	275	245
1C X 120	18.0	1.9	1.6	1.40	23.7	0.15	300	250	255	220	310	280
1C X 150	18.0	2.1	1.6	1.40	24.8	0.12	340	280	280	245	345	320
1C X 185	30.0	2.3	1.6	1.40	27.1	0.10	380	305	305	260	390	370
1C X 240	34.0	2.5	1.6	1.56	30.2	0.08	420	345	340	285	445	425
1C X 300	34.0	2.8	2.0	1.56	33.7	0.06	465	375	370	310	500	475
1C X 400	53.0	3.0	2.0	1.56	37.1	0.05	500	400	405	335	570	550
1C X 500	53.0	3.4	2.0	1.72	41.2	0.04	540	425	430	355	610	590
1C X 630	53.0	3.9	2.0	1.88	46.2	0.03	590	470	465	375	680	660

1 CORE COPPER PVC UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	UNARMoured			CURRENT RATINGS					
		Thickness of PVC insulation (Nom.) (mm)	Nom. Thickness of outer Sheath	Overall Diameter (Approx.) (mm)	Direct in Ground		In Duct		In Air	
					2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps
1C X 4	1.0	1.00	1.80	8.6	46	39	42	38	43	35
1C X 6	1.0	1.00	1.80	9.1	57	49	54	48	54	44
1C X 4	1.0	1.00	1.80	8.6	46	39	42	38	43	35
1C X 6	1.0	1.00	1.80	9.1	57	49	54	48	54	44
1C X 25	6.0	1.20	1.80	12.4	125	110	120	110	125	110
1C X 35	6.0	1.20	1.80	13.4	150	135	140	125	155	130
1C X 50	6.0	1.40	1.80	14.9	180	155	165	150	190	165
1C X 70	12.0	1.40	1.80	16.5	220	190	200	175	235	205
1C X 95	15.0	1.60	1.80	18.6	265	220	230	200	275	245
1C X 120	18.0	1.60	2.00	21.1	300	250	255	220	310	280
1C X 150	18.0	1.80	2.00	22.2	340	280	280	245	345	320
1C X 185	30.0	2.00	2.00	24.5	380	305	305	260	390	370
1C X 240	34.0	2.20	2.00	27.3	420	345	340	285	445	425
1C X 300	34.0	2.40	2.00	29.8	465	375	370	310	500	475
1C X 400	53.0	2.60	2.20	33.6	500	400	405	335	570	550
1C X 500	53.0	3.00	2.20	37.4	540	425	430	355	610	590
1C X 630	53.0	3.40	2.40	42.2	590	470	465	375	680	660

2 CORE ALUMINIUM PVC ARMoured 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						Max. D.C. Resistance at 20°C Ohms/Km Max.	CURRENT RATINGS		
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)			Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire Mm	Strip Mm	Wire mm	Strip Mm	Wire mm				
2Cx1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	18.10	18	16	16
2Cx2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	12.10	25	21	21
2Cx4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	7.41	32	27	27
2Cx6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	4.61	40	34	35
2Cx10	1	1.00	0.30	—	1.40	—	1.24	—	19.0	3.08	55	45	47
2Cx16	6	1.00	0.30	4x0.8	1.60	1.4	1.40	18.8	20.4	1.91	70	58	59
2Cx25	6	1.20	0.30	4x0.8	1.60	1.4	1.40	20.8	22.4	1.20	90	76	78
2Cx35	6	1.20	0.30	4x0.8	1.60	1.4	1.40	21.8	23.4	0.87	110	92	99
2Cx50	6	1.40	0.30	4x0.8	1.60	1.4	1.56	24.3	26.2	0.64	135	115	125
2Cx70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	0.44	160	140	150
2Cx95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	0.32	190	170	185
2Cx120	15	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	0.25	210	190	210

2 CORE ALUMINIUM PVC 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	UNARMoured		Max. D.C. Resistance At 20°C Ohms/ Km	CURRENT RATINGS		
				Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm		Direct in Ground Amps	In Duct Amps	In Air Amps
2Cx1.5	1	0.80	0.30	1.80	10.40	18.10	18	16	16
2Cx2.5	1	0.90	0.30	1.80	11.90	12.10	25	21	21
2Cx4	1	1.00	0.30	1.80	13.40	7.41	32	27	27
2Cx6	1	1.00	0.30	1.80	14.40	4.61	40	34	35
2Cx10	1	1.00	0.30	1.80	15.90	3.08	55	45	47
2Cx16	6	1.00	0.30	1.80	18.00	1.91	70	58	59
2Cx25	6	1.20	0.30	2.00	20.40	1.20	90	76	78
2Cx35	6	1.20	0.30	2.00	21.40	0.87	110	92	99
2Cx50	6	1.40	0.30	2.00	23.90	0.64	135	115	125
2Cx70	12	1.40	0.30	2.00	26.00	0.44	160	140	150
2Cx95	15	1.60	0.40	2.20	29.90	0.32	190	170	185
2Cx120	15	1.60	0.40	2.20	31.40	0.25	210	190	210

2 CORE COPPER PVC ARMoured 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						Max. D.C. Resistance at 20 °C Ohms/Km	CURRENT RATINGS		
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)			Direct In Ground Amps	In Duct Amps	In Air Amps
				Strip Mm	Wire Mm	Strip Mm	Wire Mm	Strip Mm	Wire mm				
2C X 1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	12.1	23	20	20
2C X 2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	7.4	32	27	27
2C X 4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	4.6	41	35	35
2C X 6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	3.1	50	44	45
2C X 10	6	1.00	0.30	—	1.40	—	1.24	—	19.0	1.8	70	58	60
2C X 16	6	1.00	0.30	4x0.8	1.60	1.4	1.40	18.8	20.4	1.1	90	75	78
2C X 25	6	1.20	0.30	4x0.8	1.60	1.4	1.40	20.8	22.4	0.7	115	97	105
2C X 35	6	1.20	0.30	4x0.8	1.60	1.4	1.40	21.8	23.4	0.5	140	120	125
2C X 50	6	1.40	0.30	4x0.8	1.60	1.4	1.56	24.3	26.2	0.4	165	145	155
2C X 70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	26.7	28.3	0.3	205	180	195
2C X 95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	30.2	32.6	0.2	240	215	230
2C X 120	18	1.60	0.40	4x0.8	2.00	1.56	1.72	31.7	34.4	0.2	275	235	265

2 CORE COPPER PVC UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	UNARMoured			Max. D.C. Resistance at 20°C Ohms/ Km	CURRENT RATINGS		
			Min. Thickness of PVC inner sheath mm	Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm		Direct In Ground Amps	In Duct Amps	In Air Amps
2C X 1.5	1	0.80	0.30	1.80	10.40	12.1	23	20	20
2C X 2.5	1	0.90	0.30	1.80	11.90	7.4	32	27	27
2C X 4	1	1.00	0.30	1.80	13.40	4.6	41	35	35
2C X 6	1	1.00	0.30	1.80	14.40	3.1	50	44	45
2C X 10	6	1.00	0.30	1.80	15.90	1.8	70	58	60
2C X 16	6	1.00	0.30	1.80	18.00	1.1	90	75	78
2C X 25	6	1.20	0.30	2.00	20.40	0.7	115	97	105
2C X 35	6	1.20	0.30	2.00	21.40	0.5	140	120	125
2C X 50	6	1.40	0.30	2.00	23.90	0.4	165	145	155
2C X 70	12	1.40	0.30	2.00	26.00	0.3	205	180	195
2C X 95	15	1.60	0.40	2.20	29.90	0.2	240	215	230
2C X 120	18	1.60	0.40	2.20	31.40	0.2	275	235	265

3.5 CORE ALUMINIUM PVC ARMoured POWER CABLES

Type	No. of cores & sectional area Sq.mm	Min. No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Min. Thickness of PVC inner sheath (mm)	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Max. D.C. Resistance At 20 °C Ohms/Km	CURRENT RATINGS		
					Strip (mm)	Wire (mm)	Strip (mm)	Wire (mm)	Strip (mm)	Wire (mm)		Direct in Ground (Amps)	In Duct (Amps)	In Air (Amps)
					Aywy/Ayfy	3.5Cx25/16	6/6	1.2/1.0	0.3	4x0.8		1.60	1.40	1.40
Aywy/Ayfy	3.5Cx35/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	24.8	26.4	0.868	92	77	86
Aywy/Ayfy	3.5Cx50/25	6/6	1.4/1.2	0.3	4x0.8	1.60	1.56	1.56	28.4	30.0	0.641	100	95	105
Aywy/Ayfy	3.5Cx70/35	12/6	1.4/1.2	0.4	4x0.8	2.00	1.56	1.56	32.5	34.9	0.443	135	115	130
Aywy/Ayfy	3.5Cx95/50	15/6	1.6/1.4	0.4	4x0.8	2.00	1.56	1.72	36.2	38.9	0.32	165	140	155
Aywy/Ayfy	3.5Cx120/70	15/12	1.6/1.4	0.5	4x0.8	2.00	1.72	1.88	39.3	42.1	0.253	185	155	180

3.5 CORE ALUMINIUM PVC UNARMoured POWER CABLES

Type	No of cores & cross sectional area sqmm	Min. No. of Wires	Thickness of PVC Insulation (Nom.) mm	Min Thickness of PVC Inner sheath mm	Nom. Thickness of Outer sheath mm	Overall Diameter (Approx) mm	Max. D.C. Resistance At 20 °C Ohms/Km	CURRENT RATINGS		
								Direct in Ground (Amps)	In Duct (Amps)	In Air (Amps)
AYY	3.5 C X 25/16	6/6	1.2/1.0	0.30	2.00	24.0	1.2	76	63	70
AYY	3.5 C X 35/16	6/6	1.2/1.0	0.30	2.00	25.0	0.868	92	77	86
AYY	3.5 C X 50/25	6/6	1.4/1.2	0.30	2.00	28.5	0.641	110	95	105
AYY	3.5 C X 70/35	12/6	1.4/1.2	0.40	2.20	32.8	0.443	135	115	130
AYY	3.5 C X 95/50	15/6	1.6/1.4	0.40	2.20	36.5	0.32	165	140	155
AYY	3.5 C X 120/70	15/12	1.6/1.4	0.50	2.40	39.7	0.253	185	155	180

3.5 CORE COPPER PVC ARMoured POWER CABLES

Type	No. of Cores & cross sectional area mm ²	Min. No. of wires	Thickness of PVC Insulation (Nom) mm	Min Thickness of PVC inner sheath mm	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Max. DC Resistance at 20°C Ohm/Km	Current Ratings	
					Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm		Direct in Ground Amps	In Air Amps
YWY/YFY	3.5C X 25/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	23.8	25.4	0.727	99	90
YWY/YFY	3.5C X 35/16	6/6	1.2/1.0	0.3	4x0.8	1.60	1.40	1.40	24.8	26.4	0.524	120	110
YWY/YFY	3.5C X 50/25	6/6	1.4/1.2	0.3	4x0.8	1.60	1.56	1.56	28.4	30.0	0.387	145	135
YWY/YFY	3.5C X 70/35	12/6	1.4/1.2	0.4	4x0.8	2.00	1.56	1.56	32.5	34.9	0.268	175	165
YWY/YFY	3.5C X 95/50	15/6	1.6/1.4	0.4	4x0.8	2.00	1.56	1.72	36.2	38.9	0.193	210	200
YWY/YFY	3.5C X 120/70	18/12	1.6/1.4	0.5	4x0.8	2.00	1.72	1.88	39.3	42.1	0.153	240	230

3.5 CORE COPPER PVC UNARMoured POWER CABLES

Type	No. of cores & cross sectional area sqmm	Min. No. of wires	Thickness of PVC Insulation (Nom.) mm	Minimum Thickness of PVC Inner Sheath mm	Nominal Thickness of Outer Sheath mm	Overall Diameter (Approx) mm	Max. AC Resistance at 20°C (Approx) Ohm/Km	CURRENT RATINGS		
								Direct in Ground Amps	In Duct Amps	In Air Amps
YY	3.5 C X 25/16	6/6	1.2/1.0	0.30	2.00	24.00	0.73	99	81	90
YY	3.5 C X 35/16	6/6	1.2/1.0	0.30	2.00	25.00	0.524	120	99	110
YY	3.5 C X 50/25	6/6	1.4/1.2	0.30	2.00	28.30	0.39	145	125	135
YY	3.5 C X 70/35	12/6	1.4/1.2	0.40	2.20	32.80	0.268	175	150	165
YY	3.5 C X 95/50	15/6	1.6/1.4	0.40	2.20	31.50	0.19	210	175	200
YY	3.5 C X 120/70	18/12	1.6/1.4	0.50	2.40	39.70	0.153	240	195	230

3 CORE ALUMINIUM PVC ARMoured POWER CABLES

No. Of cores & Cross Sectional Area	Min. No. of Wires	Thickness Of PVC insulation (Nom.)	Min. Thickness of PVC inner Sheath	ARMoured						Max. D.C. Resistance At 20°C	CURRENT RATINGS		
				Nominal Dimensions Of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)			Direct in Ground	In Duct	In Air
				Strip	Wire	Strip	Wire	Strip	Wire				
			mm	mm	mm	mm	mm	mm	mm	Ohms/Km	Amps	Amps	Amps
3Cx1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.0	18.10	16	14	13
3Cx2.5	1	0.9	0.3	—	1.40	—	1.24	—	15.0	12.10	21	18	18
3Cx4	1	1.0	0.3	—	1.40	—	1.24	—	16.5	7.41	28	23	23
3Cx6	1	1.0	0.3	—	1.40	—	1.24	—	17.5	4.61	35	30	30
3Cx10	1	1.0	0.3	—	1.40	—	1.40	—	19.5	3.08	46	39	40
3Cx16	6	1.0	0.3	4x0.8	1.60	1.4	1.40	18.6	20.2	1.91	60	50	51
3Cx25	6	1.2	0.3	4x0.8	1.60	1.4	1.40	20.3	22.9	1.20	76	63	70
3Cx35	6	1.2	0.3	4x0.8	1.60	1.4	1.40	23.1	24.7	0.87	92	77	86
3Cx50	6	1.4	0.3	4x0.8	1.60	1.56	1.56	26.6	28.2	0.64	110	95	105
3Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	29.6	32.0	0.44	135	115	130
3Cx95	15	1.6	0.4	4x0.8	2.00	1.56	1.72	33.5	36.2	0.32	165	140	155
3Cx120	15	1.6	0.4	4x0.8	2.00	1.72	1.72	37	39.4	0.25	185	155	180

3 CORE ALUMINIUM PVC UNARMoured POWER CABLES

No. Of cores & Cross Sectional Area	Min. No. of Wires	Thickness Of PVC insulation (Nom.)	Min. Thickness of PVC inner Sheath	UNARMoured		Max. D.C. Resistance At 20°C	CURRENT RATINGS		
				Nom. Thickness of Outer Sheath	Overall Diameter (Approx)		Direct in Ground	In Duct	In Air
				mm	mm				
			mm	mm	mm	Ohms/Km	Amps	Amps	Amps
3Cx1.5	1	0.8	0.3	1.80	11.00	18.10	16	14	13
3Cx2.5	1	0.9	0.3	1.80	12.00	12.10	21	18	18
3Cx4	1	1.0	0.3	1.80	13.50	7.41	28	23	23
3Cx6	1	1.0	0.3	1.80	14.40	4.61	35	30	30
3Cx10	1	1.0	0.3	1.80	15.60	3.08	46	39	40
3Cx16	6	1.0	0.3	1.80	18.40	1.91	60	50	51
3Cx25	6	1.2	0.3	2.00	21.50	1.20	76	63	70
3Cx35	6	1.2	0.3	2.00	23.30	0.87	92	77	86
3Cx50	6	1.4	0.3	2.00	26.50	0.64	110	95	105
3Cx70	12	1.4	0.4	2.20	29.90	0.44	135	115	130
3Cx95	15	1.6	0.4	2.20	33.80	0.32	165	140	155
3Cx120	15	1.6	0.4	2.20	37.00	0.25	185	155	180

3 CORE COPPER PVC ARMoured POWER CABLES

No. of cores & cross Sectional Area	Min. No. Of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	ARMoured						Max. D.C. Resistance At 20 °C	CURRENT RATINGS		
				Nominal Dimensions Of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)			Direct in Ground	In Air	In Duct
				Strip	Wire	Strip	Wire	Strip	Wire				
				mm	mm	mm	mm	mm	mm		Ohms/Km	Amps	Amps
3Cx1.5	1	0.80	0.3	—	1.4	—	1.24	—	14.0	12.1	21	17	17
3Cx2.5	1	0.90	0.3	—	1.4	—	1.24	—	15.0	7.41	27	24	24
3Cx4	1	1.00	0.3	—	1.4	—	1.24	—	16.5	4.6	36	30	30
3Cx6	1	1.00	0.3	—	1.4	—	1.24	—	17.5	3.08	45	39	38
3Cx10	6	1.00	0.3	—	1.4	—	1.40	—	19.5	1.8	60	57	50
3Cx16	6	1.00	0.3	4x0.8	1.6	1.4	1.40	18.6	20.2	1.15	77	66	64
3Cx25	6	1.20	0.3	4x0.8	1.6	1.4	1.40	21.3	22.9	0.7	99	90	81
3Cx35	6	1.20	0.3	4x0.8	1.6	1.4	1.40	23.1	24.7	0.52	120	110	99
3Cx50	6	1.40	0.3	4x0.8	1.6	1.56	1.56	26.6	28.2	0.4	145	135	125
3Cx70	12	1.40	0.4	4x0.8	2.0	1.56	1.56	29.6	32.0	0.27	175	165	150
3Cx95	15	1.60	0.4	4x0.8	2.0	1.56	1.72	33.5	36.2	0.2	210	200	175
3Cx120	18	1.60	0.4	4x0.8	2.0	1.72	1.72	37	39.4	0.15	240	230	195

3 CORE COPPER PVC UNARMoured POWER CABLES

No. of cores & cross Sectional Area	Min. No. Of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	UNARMoured		Max. D.C. Resistance At 20 °C	CURRENT RATINGS		
				Nom. Thickness of Outer Sheath	Overall Diameter (Approx)		Direct in Ground	In Air	In Duct
				mm	mm				
3Cx1.5	1	0.80	0.3	1.80	11.00	12.1	21	17	17
3Cx2.5	1	0.90	0.3	1.80	12.00	7.41	27	24	24
3Cx4	1	1.00	0.3	1.80	13.50	4.6	36	30	30
3Cx6	1	1.00	0.3	1.80	14.40	3.08	45	39	38
3Cx10	6	1.00	0.3	1.80	15.60	1.8	60	57	50
3Cx16	6	1.00	0.3	1.80	18.40	1.15	77	66	64
3Cx25	6	1.20	0.3	2.00	21.50	0.7	99	90	81
3Cx35	6	1.20	0.3	2.00	23.30	0.52	120	110	99
3Cx50	6	1.40	0.3	2.00	26.50	0.4	145	135	125
3Cx70	12	1.40	0.4	2.20	29.90	0.27	175	165	150
3Cx95	15	1.60	0.4	2.20	33.80	0.2	210	200	175
3Cx120	18	1.60	0.4	2.20	37.00	0.15	240	230	195

4 CORE ALUMINIUM PVC ARMoured POWER CABLES

No. of cores & cross Sectional Area	Min. No. Of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	ARMoured						Max. D.C. Resistance At 20 °C	CURRENT RATINGS		
				Nominal Dimensions Of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)			Direct in Ground	In Air	In Duct
				Strip	Wire	Strip	Wire	Strip	Wire				
				mm	mm	mm	mm	mm	mm		ohm/km	Amps	Amps
4CX1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	18.10	16	14	13
4Cx2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	12.10	21	18	18
4Cx4	1	1.0	0.3	—	1.40	—	1.24	—	17.5	7.41	28	23	23
4Cx6	1	1.0	0.3	—	1.40	—	1.24	—	19.0	4.61	35	30	30
4Cx10	1	1.0	0.3	4x0.8	1.60	1.4	1.40	21.5	23.0	3.08	46	39	40
4Cx16	6	1.0	0.3	4x0.8	1.60	1.4	1.40	22.2	23.8	1.91	60	50	51
4Cx25	6	1.2	0.3	4x0.8	1.60	1.4	1.40	23.6	25.2	1.20	76	63	70
4Cx35	6	1.2	0.3	4x0.8	1.60	1.4	1.56	25.9	27.8	0.87	92	77	86
4Cx50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	0.64	110	95	105
4Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	0.44	135	115	130
4Cx95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	0.32	165	140	155
4Cx120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	0.25	185	155	180

4 CORE ALUMINIUM PVC UNARMoured POWER CABLES

No. of cores & cross Sectional Area	Min. No. Of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	UNARMoured		Max. D.C. Resistance At 20 °C	CURRENT RATINGS		
				Nom. Thickness of Outer Sheath	Overall Diameter (Approx)		Direct in Ground	In Air	In Duct
				mm	mm				
4CX1.5	1	0.8	0.3	1.80	11.70	18.10	16	14	13
4Cx2.5	1	0.9	0.3	1.80	13.20	12.10	21	18	18
4Cx4	1	1.0	0.3	1.80	15.00	7.41	28	23	23
4Cx6	1	1.0	0.3	1.80	16.00	4.61	35	30	30
4Cx10	1	1.0	0.3	1.80	19.00	3.08	46	39	40
4Cx16	6	1.0	0.3	2.00	22.40	1.91	60	50	51
4Cx25	6	1.2	0.3	2.00	23.80	1.20	76	63	70
4Cx35	6	1.2	0.3	2.00	26.10	0.87	92	77	86
4Cx50	6	1.4	0.4	2.20	30.60	0.64	110	95	105
4Cx70	12	1.4	0.4	2.20	33.70	0.44	135	115	130
4Cx95	15	1.6	0.4	2.40	38.60	0.32	165	140	155
4Cx120	15	1.6	0.5	2.40	41.70	0.25	185	155	180

4 CORE COPPER PVC ARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	Min. Thickness of PVC Inner Sheath	ARMoured						Max. D.C. Resistance At 20 C	CURRENT RATINGS		
				Nominal Dimensions of Armour		Min. Thickness Of PVC Outer Sheath		Overall Diameter (Approx.)			Direct In Ground	In Duct	In Air
				Strip	Wire	Strip	Wire	Strip	Wire				
		mm	mm	mm	mm	mm	mm	mm	mm	Ohms/Km	Amps	Amps	Amps
4C X 1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	12.1	21	17	17
4C X 2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	7.4	27	24	24
4C X 4.0	1	1.0	0.3	—	1.40	—	1.24	—	17.5	4.6	36	30	30
4C X 6.0	1	1.0	0.3	—	1.40	—	1.24	—	19.0	3.1	45	39	38
4C X 10	6	1.0	0.3	4x0.8	1.60	1.4	1.40	21.5	23.0	1.8	60	57	50
4C X 16	6	1.0	0.3	4x0.8	1.60	1.4	1.40	22.2	23.8	1.2	77	66	64
4C X 25	6	1.2	0.3	4x0.8	1.60	1.4	1.40	23.6	25.2	0.7	99	90	81
4C X 35	6	1.2	0.3	4x0.8	1.60	1.4	1.56	25.9	27.8	0.5	120	110	99
4C X 50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	30.3	32.7	0.4	145	135	125
4C X 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	33.4	35.8	0.3	175	165	150
4C X 95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	38.2	40.6	0.2	210	200	175
4C X 120	18	1.6	0.5	4x0.8	2.00	1.88	1.88	41.7	44.1	0.2	240	230	195

4 CORE COPPER PVC UNARMoured POWER CABLES

No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.)	Min. Thickness of PVC inner sheath	UNARMoured		Max. D.C. Resistance At 20 C	CURRENT RATINGS		
				Nom. Thickness of Outer Sheath	Overall Diameter (Approx)		Direct In Ground	In Duct	In Air
		mm	mm	mm	mm	Ohms/Km	Amps	Amps	Amps
4C X 1.5	1	0.8	0.3	1.80	11.70	12.1	21	17	17
4C X 2.5	1	0.9	0.3	1.80	13.20	7.4	27	24	24
4C X 4.0	1	1.0	0.3	1.80	15.00	4.6	36	30	30
4C X 6.0	1	1.0	0.3	1.80	16.00	3.1	45	39	38
4C X 10	6	1.0	0.3	1.80	19.00	1.8	60	57	50
4C X 16	6	1.0	0.3	2.00	22.40	1.2	77	66	64
4C X 25	6	1.2	0.3	2.00	23.80	0.7	99	90	81
4C X 35	6	1.2	0.3	2.00	26.10	0.5	120	110	99
4C X 50	6	1.4	0.4	2.20	30.60	0.4	145	135	125
4C X 70	12	1.4	0.4	2.20	33.70	0.3	175	165	150
4C X 95	15	1.6	0.4	2.40	38.60	0.2	210	200	175
4C X 120	18	1.6	0.5	2.40	41.70	0.2	240	230	195

1 CORE ALLUMINIUM XLPE ARMoured POWER CABLES

No. of cores & Cross sectional Area	Min. No. of Wires	ARMoured				Max. D.C. Resistance at 20 C Ohms/Km	CURRENT RATINGS	
		Thickness of XLPE insulation (Nom.)	Nominal Dimensions of Armour Wire	Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)		Direct In Ground	In Air
		(mm)	(mm)	(mm)	(mm)		Amps	Amps
1CX25	6	1.20	1.40	1.24	14.1	1.200	96	98
1CX35	6	1.20	1.40	1.24	15.1	0.868	114	121
1CX50	6	1.30	1.40	1.24	16.4	0.641	135	150
1CX70	12	1.40	1.40	1.24	18.2	0.443	166	187
1CX95	15	1.40	1.60	1.40	20.6	0.320	198	230
1CX120	15	1.50	1.60	1.40	22.9	0.253	225	268
1CX150	15	1.70	1.60	1.40	24.0	0.206	253	309
1CX185	30	1.90	1.60	1.40	26.3	0.164	286	360
1CX240	30	2.00	1.60	1.40	28.9	0.125	332	433
1CX300	30	2.10	1.60	1.56	31.5	0.100	376	501
1CX400	53	2.40	2.00	1.56	35.9	0.078	431	596
1CX500	53	2.60	2.00	1.56	39.3	0.061	490	693
1CX630	53	2.80	2.00	1.72	43.6	0.047	557	814

1 CORE ALLUMINIUM XLPE UNARMoured POWER CABLES

No. of cores & Cross sectional Area	Min. No. of Wires	UNARMoured			Max. D.C. Resistance at 20 C Ohms/Km	CURRENT RATINGS	
		Thickness of XLPE Insulation (Nom.)	Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)		Direct In Ground	In Air
		(mm)	(mm)	(mm)		Amps	Amps
1CX25	6	0.90	1.80	11.8	1.200	96	98
1CX35	6	0.90	1.80	12.8	0.868	114	121
1CX50	6	1.00	1.80	14.1	0.641	135	150
1CX70	12	1.10	1.80	15.9	0.443	166	187
1CX95	15	1.10	1.80	17.6	0.320	198	230
1CX120	15	1.20	1.80	20.3	0.253	225	268
1CX150	15	1.40	2.00	21.4	0.206	253	309
1CX185	30	1.60	2.00	23.7	0.164	286	360
1CX240	30	1.70	2.00	26.3	0.125	332	433
1CX300	30	1.80	2.00	28.6	0.100	376	501
1CX400	53	2.00	2.20	32.4	0.078	431	596
1CX500	53	2.20	2.20	35.8	0.061	490	693
1CX630	53	2.40	2.20	39.8	0.047	557	814

1 CORE COPPER XLPE ARMoured POWER CABLES

No. of cores & Cross Sectional Area	Min. No. of Wires	ARMoured				Max. D.C. Resistance at 20 C Ohms/Km	CURRENT RATINGS	
		Thickness of XLPE insulation (Nom.)	Nominal Dimensions of Armour Wire	Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)		Direct In Ground	In Air
		(mm)	(mm)	(mm)	(mm)		Amps	Amps
1C X 25	6	1.20	1.40	1.24	14.1	0.727	132	132
1C X 35	6	1.20	1.40	1.24	15.1	0.524	156	156
1C X 50	6	1.30	1.40	1.24	16.4	0.387	186	198
1C X 70	12	1.40	1.40	1.24	18.2	0.268	228	246
1C X 95	15	1.40	1.60	1.40	20.6	0.193	264	294
1C X 120	18	1.50	1.60	1.40	22.9	0.153	300	336
1C X 150	18	1.70	1.60	1.40	24.0	0.124	336	384
1C X 185	30	1.90	1.60	1.40	26.3	0.099	366	444
1C X 240	34	2.00	1.60	1.40	28.9	0.075	414	510
1C X 300	34	2.10	1.60	1.56	31.5	0.060	450	570
1C X 400	53	2.40	2.00	1.56	35.9	0.047	480	660
1C X 500	53	2.60	2.00	1.56	39.3	0.037	564	708
1C X 630	53	2.80	2.00	1.72	43.6	0.028	570	825

1 CORE COPPER XLPE UNARMoured POWER CABLES

No. of cores & Cross Sectional Area	Min. No. of Wires	UNARMoured			Max. D.C. Resistance at 20 C Ohms/Km	CURRENT RATINGS	
		Thickness of XLPE Insulation (Nom.)	Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)		Direct In Ground	In Air
		(mm)	(mm)	(mm)		Amps	Amps
1C X 25	6	0.90	1.8	11.8	0.727	132	132
1C X 35	6	0.90	1.8	12.8	0.524	156	156
1C X 50	6	1.00	1.8	14.1	0.387	186	198
1C X 70	12	1.10	1.8	15.9	0.268	228	246
1C X 95	15	1.10	1.8	17.6	0.193	264	294
1C X 120	18	1.20	1.8	20.3	0.153	300	336
1C X 150	18	1.40	2.0	21.4	0.124	336	384
1C X 185	30	1.60	2.0	23.7	0.099	366	444
1C X 240	34	1.70	2.0	26.3	0.075	414	510
1C X 300	34	1.80	2.0	28.6	0.060	450	570
1C X 400	53	2.00	2.2	32.4	0.047	480	660
1C X 500	53	2.20	2.2	35.8	0.037	564	708
1C X 630	53	2.40	2.2	39.8	0.028	570	825

2 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of Insulation (Nom.)	Min. Thickness of Inner Sheath	Nominal Dimensions of Armour		Min. Thickness of Outersheath		Overall Diameter (Approx.)		Max. D.C. Resistance At 20 C	CURRENT RATINGS	
					Wire	Strip	Wire	Strip	Wire	Strip		Direct in Ground	In Air
					(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
A2xfy/A2xwy	2CX25	6	0.90	0.3	1.60	4X0.8	1.40	1.40	21.2	19.6	1.2	112	98
A2xfy/A2xwy	2CX35	6	0.90	0.3	1.60	4X0.8	1.40	1.40	22.2	20.6	0.868	138	124
A2xfy/A2xwy	2CX50	6	1.00	0.3	1.60	4X0.8	1.40	1.40	24.3	22.7	0.641	169	156
A2xfy/A2xwy	2CX70	12	1.10	0.3	1.60	4X0.8	1.56	1.56	27.1	25.5	0.443	200	188
A2xfy/A2xwy	2CX95	15	1.10	0.4	2.00	4X0.8	1.56	1.56	30.8	28.4	0.32	238	231
A2xfy/A2xwy	2CX120	15	1.20	0.4	2.00	4X0.8	1.56	1.56	32.7	30.3	0.253	262	262

2 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.)	Min. Thickness of Inner Sheath	Nom. Thickness of Outer sheath	Overall Diameter (Approx.)	Max. D.C. Resistance At 20 C	Current Ratings	
								Direct in Ground	In Air
A2xy	2CX25	6	0.90	0.3	2.00	19.2	1.20	112	98
A2xy	2CX35	6	0.90	0.3	2.00	20.2	0.87	138	124
A2xy	2CX50	6	1.00	0.3	2.00	22.3	0.64	169	156
A2xy	2CX70	12	1.10	0.3	2.00	24.8	0.44	200	188
A2xy	2CX95	15	1.10	0.4	2.20	28.1	0.32	238	231
A2xy	2CX120	15	1.20	0.4	2.20	30.0	0.25	262	262

2 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of Wires	Thickness of XLPE Insulation (Nom)	Min Thickness of PVC inner sheath	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Max. DC Resistance At 20 C	Current Ratings	
					Strip	Wire	Wire	Strip	Wire	Strip		Direct in Ground	In Air
	mm ²	Nos	mm	mm	mm	mm	mm	mm	mm	mm	Ohm/Km	Amps	Amps
2XWY/2XFY	2C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	21.2	19.6	0.727	144	131
2XWY/2XFY	2C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	22.2	20.6	0.524	175	150
2XWY/2XFY	2C X 50	6	1.00	0.3	4x0.8	1.60	1.40	1.40	24.3	22.7	0.387	206	194
2XWY/2XFY	2C X 70	12	1.10	0.3	4x0.8	1.60	1.56	1.56	27.1	25.5	0.268	256	244
2XWY/2XFY	2C X 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	30.8	28.4	0.193	300	288
2XWY/2XFY	2C X 120	18	1.20	0.4	4x0.8	2.00	1.56	1.56	32.7	30.3	0.153	344	331

2 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional Area	Min. No. of Wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC inner Sheath	Nominal Thickness of PVC Outer Sheath	Overall Diameter (Approx)	Max. DC Resistance At 20 C	CURRENT RATINGS	
								Direct In Ground	In Air
	mm ²		mm	mm	mm	mm	Ohm/Km	Amps	Amps
2XY	2C X 25	6	0.90	0.3	2.00	19.2	0.727	144	131
2XY	2C X 35	6	0.90	0.3	2.00	20.2	0.524	175	150
2XY	2C X 50	6	1.00	0.3	2.00	22.3	0.387	206	194
2XY	2C X 70	12	1.10	0.3	2.00	24.8	0.268	256	244
2XY	2C X 95	15	1.10	0.4	2.20	28.1	0.193	300	288
2XY	2C X 120	18	1.20	0.4	2.20	30.0	0.153	344	331

3.5 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of Insulation		Min. Thickness of inner-sheath (mm)	Nominal Dimensions Of Armour		Min. Thickness of Outersheath		Overall Diameter (Approx.)		Max. D.C. Resistance at 20°C (Ohms/Km)	CURRENT RATINGS	
			(min)	(nom)		Wire	Strip	Wire	Strip	Wire	Strip		Direct In Ground (Amps)	In Air (Amps)
A2xfy/A2xwy	3.5CX25	6/6	0.9	0.7	0.3	1.60	4X0.8	1.40	1.40	23.8	22.2	1.2	94	96
A2xfy/A2xwy	3.5CX35	6/6	0.9	0.7	0.3	1.60	4X0.8	1.40	1.40	25.5	23.9	0.868	113	117
A2xfy/A2xwy	3.5CX50	6/6	1.0	0.9	0.3	1.60	4X0.8	1.56	1.40	29.0	27.1	0.641	133	142
A2xfy/A2xwy	3.5CX70	12/6	1.1	0.9	0.4	2.00	4X0.8	1.56	1.56	34.0	31.6	0.443	164	179
A2xfy/A2xwy	3.5CX95	15/6	1.1	1.0	0.4	2.00	4X0.8	1.56	1.56	37.6	35.2	0.32	196	221
A2xfy/A2xwy	3.5CX120	15/12	1.2	1.1	0.4	2.00	4X0.8	1.72	1.72	40.2	37.8	0.253	223	257

3.5 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of Insulation		Min. Thickness of innersheath (mm)	Nom. Thickness of Outer sheath (mm)	Overall Diameter (Approx.) (mm)	Max. D.C. Resistance At 20°C (Ohms/Km)	CURRENT RATINGS	
			(min)	(nom)					Direct In Ground (Amps)	In Air (Amps)
A2xy	3.5CX25	6/6	0.90	0.70	0.3	2.00	22.4	1.2	94	96
A2xy	3.5CX35	6/6	0.90	0.70	0.3	2.00	24.1	0.868	113	117
A2xy	3.5CX50	6/6	1.00	0.90	0.3	2.00	27.3	0.641	133	142
A2xy	3.5CX70	12/6	1.10	0.90	0.4	2.20	31.9	0.443	164	179
A2xy	3.5CX95	15/6	1.10	1.00	0.4	2.20	35.5	0.32	196	221
A2xy	3.5CX120	15/12	1.20	1.10	0.4	2.20	37.8	0.253	223	257

3.5 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom)	Min. Thickness of PVC inner sheath	Nominal Dimensions Of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Max. DC Resistance at 20°C	Current Ratings	
					Strip	Wire	Wire	Strip	Wire	Strip		Direct in Ground	In Air
					mm	mm	mm	mm	mm	mm		Amps	Amps
2XWY/2XFY	3.5CX25/16	6/6	0.9/0.7	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	0.727	119	108
2XWY/2XFY	3.5CX35/16	6/6	0.9/0.7	0.3	4x0.8	1.60	1.40	1.40	25.5	23.9	0.524	144	132
2XWY/2XFY	3.5CX50/25	6/6	1.0/0.9	0.3	4x0.8	1.60	1.56	1.40	29.0	27.1	0.387	174	162
2XWY/2XFY	3.5CX70/35	12/6	1.1/0.9	0.4	4x0.8	2.00	1.56	1.56	34.0	31.6	0.268	210	198
2XWY/2XFY	3.5CX95/50	15/6	1.1/1.0	0.4	4x0.8	2.00	1.56	1.56	37.6	35.2	0.193	252	240
2XWY/2XFY	3.5CX120/70	18/12	1.2/1.1	0.4	4x0.8	2.00	1.72	1.72	40.2	37.8	0.153	288	276

3.5 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC inner Sheath	Nominal Thickness of PVC Outer Sheath	Max. DC Resistance At 20 °C	CURRENT RATINGS	
							Direct in Ground	In Air
							Amps	Amps
2XY	3.5C X 25/16	6/6	0.9/0.7	0.3	2.00	0.727	119	108
2XY	3.5C X 35/16	6/6	0.9/0.7	0.3	2.00	0.524	144	132
2XY	3.5C X 50/25	6/6	1.0/0.9	0.3	2.00	0.387	174	162
2XY	3.5C X 70/35	12/6	1.1/0.9	0.4	2.20	0.268	210	198
2XY	3.5C X 95/50	15/6	1.1/1.0	0.4	2.20	0.193	252	240
2XY	3.5C X 120/70	18/12	1.2/1.1	0.4	2.20	0.153	288	276

3 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.)	Min. Thickness of inner-sheath	Nominal Dimensions of Armour		Min. Thickness of Outersheath		Overall Diameter (Approx.)		Max. D.C. Resistance at 20 °C	CURRENT RATINGS	
					Wire	Strip	Wire	Strip	Wire	Strip		Direct in Ground	In Air
	(mm ²)	NOS.	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Ohms/Km	Amps	Amps
A2xfy/A2xwy	3CX25	6	0.9	0.3	1.6	4X0.8	1.4	1.4	21.7	20.1	1.2	94	96
A2xfy/A2xwy	3CX35	6	0.9	0.3	1.6	4X0.8	1.4	1.4	23.8	22.7	0.868	113	117
A2xfy/A2xwy	3CX50	6	1.0	0.3	1.6	4X0.8	1.6	1.4	26.5	24.6	0.641	133	142
A2xfy/A2xwy	3CX70	12	1.1	0.4	2.0	4X0.8	1.6	1.6	31.3	28.9	0.443	164	179
A2xfy/A2xwy	3CX95	15	1.1	0.4	2.0	4X0.8	1.6	1.6	33.5	31.1	0.320	196	221
A2xfy/A2xwy	3CX120	15	1.2	0.4	2.0	4X0.8	1.7	1.6	38.4	35.7	0.253	223	257

3 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.)	Min. Thickness of innersheath	Nom. Thickness of Outer sheath	Overall Diameter (Approx.)	Max. D.C. Resistance At 20 °C	Current Ratings	
								Direct in Ground	In Air
(mm ²)	NOS.	(mm)	(mm)	(mm)	(mm)	Ohms/Km	Amps	Amps	
A2xy	3CX25	6	0.90	0.30	2	20.3	1.2	94	96
A2xy	3CX35	6	0.90	0.30	2	22.4	0.868	113	117
A2xy	3CX50	6	1.00	0.30	2	25.0	0.641	133	142
A2xy	3CX70	12	1.10	0.40	2	29.2	0.443	164	179
A2xy	3CX95	15	1.10	0.40	2	31.4	0.320	196	221
A2xy	3CX120	15	1.20	0.40	2	36.0	0.253	223	257

3 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of Wires	Thickness of XLPE Insulation (Nom)	Min. Thickness of PVC inner sheath	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Max. DC Resistance At 20 °C	Current Ratings	
					Strip	Wire	Wire	Strip	Wire	Strip		Direct in Ground	In Air
	mm ²	NOS.	mm	mm	mm	mm	mm	mm	mm	mm	Ohm/Km	Amps	Amps
2XWY/2XFY	3C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	21.7	20.1	0.727	119	108
2XWY/2XFY	3C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	0.524	144	132
2XWY/2XFY	3C X 50	6	1.00	0.3	4x0.8	1.60	1.56	1.40	26.5	24.6	0.387	174	162
2XWY/2XFY	3C X 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	31.3	28.9	0.268	210	198
2XWY/2XFY	3C X 95	15	1.10	0.4	4x0.8	2.00	1.56	1.56	33.5	31.1	0.193	252	240
2XWY/2XFY	3C X 120	18	1.20	0.4	4x0.8	2.00	1.72	1.56	38.4	35.7	0.153	288	276

3 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC inner Sheath	Nominal Thickness of PVC Outer Sheath	Overall Diameter (Approx)	Max. DC Resistance At 20 °C	CURRENT RATINGS	
								Direct in Ground	In Air
	mm ²	NOS.	mm	mm	mm	mm	Ohm/Km	Amps	Amps
2XY	3C X 25	6	0.90	0.3	2.00	20.30	0.727	119	108
2XY	3C X 35	6	0.90	0.3	2.00	22.40	0.524	144	132
2XY	3C X 50	6	1.00	0.3	2.00	25.00	0.387	174	162
2XY	3C X 70	12	1.10	0.4	2.20	29.20	0.268	210	198
2XY	3C X 95	15	1.10	0.4	2.20	31.40	0.193	252	240
2XY	3C X 120	18	1.20	0.4	2.20	36.00	0.153	288	276

4 CORE ALUMINIUM XLPE ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of insulation (Nom.)	Min. Thickness of inner sheath	Nominal Dimensions Of Armour		Min. Thickness of Outersheath		Overall Diameter (Approx.)		Max. D.C. Resistance At 20 °C	Current Rating	
					Wire	Strip	Wire	Strip	Wire	Strip		Direct in Ground	In Air
	mm ²	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Ohms/Km	Amps	Amps
A2xfy/A2xwy	4CX16	6	0.7	0.3	1.60	4X0.8	1.40	1.40	22.8	21.2	1.91	73	70
A2xfy/A2xwy	4CX25	6	0.9	0.3	1.60	4X0.8	1.40	1.40	23.8	23.2	1.2	94	96
A2xfy/A2xwy	4CX35	6	0.9	0.3	1.60	4X0.8	1.40	1.40	26.0	24.4	0.87	113	117
A2xfy/A2xwy	4CX50	6	1.0	0.3	1.60	4X0.8	1.56	1.56	29.5	27.9	0.6	133	142
A2xfy/A2xwy	4CX70	12	1.1	0.4	2.00	4X0.8	1.56	1.56	34.1	31.7	0.44	164	179
A2xfy/A2xwy	4CX95	15	1.1	0.4	2.00	4X0.8	1.72	1.56	37.9	35.2	0.3	196	221
A2xfy/A2xwy	4CX120	15	1.2	0.5	2.00	4X0.8	1.88	1.72	41.9	39.1	0.25	223	257

4 CORE ALUMINIUM XLPE UNARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of Wires	Thickness of XLPE insulation (Nom.)	Min. Thickness of Inner Sheath	Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)	Max. D.C. Resistance At 20 °C	Current Ratings	
								Direct in Ground	In Air
mm ²	(mm)	(mm)	(mm)	(mm)	(mm)	Ohms/Km	Amps	Amps	
A2xy	4CX16	6	0.7	0.3	1.80	21.0	1.91	73	70
A2xy	4CX25	6	0.9	0.3	2.00	22.4	1.2	94	96
A2xy	4CX35	6	0.9	0.3	2.00	24.6	0.868	113	117
A2xy	4CX50	6	1.0	0.3	2.00	27.8	0.641	133	142
A2xy	4CX70	12	1.1	0.4	2.20	32.0	0.443	164	179
A2xy	4CX95	15	1.1	0.4	2.20	35.5	0.32	196	221
A2xy	4CX120	15	1.2	0.5	2.40	39.5	0.253	223	257

4 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area	Min. No. of wires	Thickness of XLPE (Nom)	Min. Thickness Insulation Of PVC inner sheath	Nominal Dimensions of Armour		Min. Thickness Of PVC Outer Sheath		Overall Diameter (Approx)		Max. DC Resistance At 20 °C	Current Ratings	
					Strip	Wire	Wire	Strip	Wire	Strip		Direct in Ground	In Air
	mm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	Ohm/Km	Amps	Amps
2XWY/2XFY	4C X 16	6	0.70	0.3	4x0.8	1.60	1.40	1.40	22.8	21.2	1.15	92	79
2XWY/2XFY	4C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	0.727	119	108
2XWY/2XFY	4C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	26.0	24.4	0.52	144	132
2XWY/2XFY	4C X 50	6	1.00	0.3	4x0.8	1.60	1.56	1.56	29.5	27.9	0.387	174	162
2XWY/2XFY	4C X 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	34.1	31.7	0.27	210	198
2XWY/2XFY	4C X 95	15	1.10	0.4	4x0.8	2.00	1.72	1.56	37.9	35.2	0.193	252	240
2XWY/2XFY	4C X 120	18	1.20	0.5	4x0.8	2.00	1.88	1.72	41.9	39.1	0.15	288	276

4 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of XLPE Insulation (Nom.)	Min. Thickness of PVC inner Sheath	Nominal Thickness of PVC Outer Sheath	Overall Diameter (Approx)	Max. DC Resistance At 20 °C	CURRENT RATINGS	
								Direct in Ground	In Air
mm ²	mm	mm	mm	mm	mm	Ohm/Km	Amps	Amps	
2XY	4C X 16	6	0.70	0.3	1.80	21.0	1.15	92	79
2XY	4C X 25	6	0.90	0.3	2.00	22.4	0.727	119	108
2XY	4C X 35	6	0.90	0.3	2.00	24.6	0.52	144	132
2XY	4C X 50	6	1.00	0.3	2.00	27.8	0.387	174	162
2XY	4C X 70	12	1.10	0.4	2.20	32.0	0.27	210	198
2XY	4C X 95	15	1.10	0.4	2.20	35.5	0.193	252	240
2XY	4C X 120	18	1.20	0.5	2.40	39.5	0.15	288	276