

NEOCAB®

Wires & Cables

POWER & CONTROL CABLES

CONTROL & SIGNALING CABLES

ARMoured & UNARMoured POWER CABLES

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IS:694-2010



CM/L/7300104594

S:1554(Part-1)



CM/L/7300104190

IS:7098(Part-1)



CM/L/7300104392

IS:14255



CM/L/7300107503

IS:398(Part-4)



CM/L/7300103188

IS:398 (Part-2)



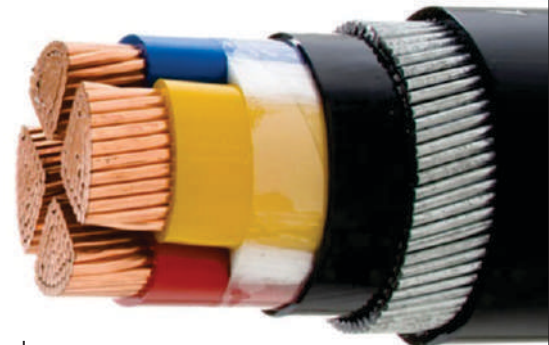
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NEOCAB LOW VOLTAGE POWER CABLES

NEOCAB Low Voltage Power Cables come in a variety of sizes, materials, and types, each particularly adapted to its uses. Cables consist of three major components: conductors, insulation, and protective outer sheath. The makeup of individual cables varies according to application.

The construction and material are determined by three main factors

- Working voltage, determining the thickness of the insulation
- Current-carrying capacity, determining the cross-sectional size of the conductor(s)
- Environmental conditions such as temperature, water, chemical or sunlight exposure, and mechanical impact, determining the form and composition of the outer sheath of cable.



Multi core Armoured Copper / Aluminium Power Cable

LV cables use stranded copper or aluminum conductors. although small conductor of cables may use solid conductors. The overall assembly may be round or flat. Non-conducting filler strands may be added to the assembly to maintain its shape. Special purpose LV cables for overhead or vertical use may have additional elements such as steel structural supports. Some LV cables for outdoor overhead use may have no outer sheath.

TECHNICAL INFORMATION

TYPE	SIZES	VOLTAGE RATING
PVC / XLPE insulated cables conforming to IS:1554-I / IS:7098-I, BS:6346, IEC:60502, BS:5467, BS:6724 and Customer specific requirements	Single Core 1.5 to 1000 sq. mm MuLVi core 1.5 to 630 sq. mm	Upto 1.1 kV

CONSTRUCTION

Conductor Material	Stranded / Solid / Circular / shaped as per IS:8130, IEC 60228, BS 6360 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, BS 7655.
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, BS 7655.

Application

LV cable is used widely in many industries ranging from industries involved in water, renewable energy, distribution and power networks, nuclear and thermal power stations, airports, marine, defence, telecommunications, windmills, building, mining, offshore, applications, ship wiring, railways, automation, audio-visual and manufacturing industries, these cables can be suitable for a huge amount of applications.

Features

- BIS certified IS: 1554Pt-1, IS: 7098Pt-1 product which is a best third party guarantee in the country.
- Available in wide range of operating temperature ranging from -40°C to 90°C.
- The copper/Aluminum conductor provides excellent corrosion resistance, even at elevated temperatures.
- Best suited for fatigue damages caused due to vibration or loading cycles.
- Exhibits excellent electrical, flame, and heat resistance.
- The cables are also exceptionally resistant to grease, mineral oils and ozone.



1 CORE ALUMINIUM PVC ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	ARMoured						UNARMoured						ARMoured				UNARMoured				CURRENT RATINGS					
	Min. No. of Wires	Thickness of insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)	Thickness of insulation (Nom.) (mm)	Nom. Thickness of outer sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable	Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	ARMoured		UNARMoured		Direct in Ground		In Duct		In Air					
													Approx. Reactance at 50 Hz	Approx. Capacitance at 50 Hz	Approx. Reactance at 50 Hz	Approx. Capacitance at 50 Hz	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps	2 Cables Amps	3 Cables Amps		
ICX4	1	1.3	1.4	1.24	10.9	148	1.0	1.8	8.60	89	7.4100	8.8900	0.158	0.47	0.137	0.58	36	31	33	30	32	27				
ICX6	1	1.3	1.4	1.24	11.4	165	1.0	1.8	9.10	103	4.6100	5.5300	0.148	0.56	0.127	0.68	44	39	42	37	41	35				
ICX10	1	1.3	1.4	1.24	12.3	196	1.0	1.8	10.10	127	3.0800	3.7000	0.138	0.67	0.118	0.83	59	51	56	51	56	47				
ICX16	6	1.3	1.4	1.24	13.1	225	1.0	1.8	10.80	152	1.9100	2.2900	0.128	0.81	0.110	1.01	75	66	71	65	72	64				
ICX25	6	1.5	1.4	1.24	14.7	287	1.2	1.8	12.40	204	1.2000	1.4400	0.120	0.87	0.105	1.05	97	86	93	84	99	84				
ICX35	6	1.5	1.4	1.24	15.7	334	1.2	1.8	13.40	244	0.8680	1.0400	0.114	1.00	0.100	1.22	120	100	110	100	120	105				
ICX50	6	1.7	1.4	1.24	17.2	411	1.4	1.8	14.90	310	0.6410	0.7700	0.110	1.03	0.098	1.22	145	120	130	115	150	130				
ICX70	12	1.7	1.4	1.40	19.1	513	1.4	1.8	16.50	388	0.4430	0.5300	0.103	1.21	0.091	1.43	175	140	155	135	185	155				
ICX95	15	1.9	1.6	1.40	21.6	662	1.6	1.8	18.60	501	0.3200	0.3800	0.101	1.27	0.088	1.47	210	175	195	155	215	190				
ICX120	15	1.9	1.6	1.40	23.7	784	1.6	2.0	21.10	621	0.2530	0.3000	0.096	1.42	0.086	1.62	240	195	200	170	240	220				
ICX150	15	2.1	1.6	1.40	24.8	898	1.8	2.0	22.20	726	0.2060	0.2500	0.094	1.42	0.085	1.62	270	220	220	190	270	250				
ICX185	30	2.3	1.6	1.40	27.1	1069	2.0	2.0	24.50	884	0.1640	0.2000	0.092	1.44	0.084	1.62	305	240	240	210	305	290				
ICX240	30	2.5	1.6	1.56	30.2	1337	2.2	2.0	27.30	1106	0.1250	0.1500	0.090	1.53	0.082	1.72	335	270	270	225	350	335				
ICX300	30	2.8	2.0	1.56	33.7	1676	2.4	2.0	29.80	1336	0.1000	0.1200	0.088	1.56	0.080	1.74	370	295	295	245	395	380				
ICX400	53	3.0	2.0	1.56	37.1	2032	2.6	2.2	33.60	1690	0.0778	0.0934	0.088	1.56	0.080	1.81	410	325	335	275	455	435				
ICX500	53	3.4	2.0	1.72	41.2	2531	3.0	2.2	37.40	2120	0.0605	0.0726	0.087	1.57	0.079	1.76	435	345	355	295	490	480				
ICX630	53	3.9	2.0	1.88	46.2	3183	3.4	2.4	42.20	2709	0.0469	0.0563	0.086	1.57	0.077	1.77	485	390	395	320	560	550				
ICX800	53	3.9	2.0	1.88	52.0	4120	3.4	2.4	48.00	3430	0.0367	0.0440	0.083	1.75	0.077	1.98	525	442	420	350	640	600				
ICX1000	53	4.0	2.5	2.04	57.3	4812	3.4	2.6	52.20	4064	0.0291	0.0349	0.082	1.94	0.076	2.20	570	485	445	380	740	720				

1 CORE COPPER PVC ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	ARMoured					UNARMoured					Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS					
	Min. No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)	Thickness of PVC insulation (Nom.) (mm)	Nom. Dimensions of Wire Armour (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)				Max. D.C. Resistance at 20 Ohms/Km	Direct in Ground		In Air		
															2 Cables Amps	3 Cables Amps	In Duct	In Air	
ICX 4	1.0	1.3	1.4	1.24	10.9	173	1.00	1.80	8.6	114	4.61	0.158	0.47	46	39	42	38	43	35
ICX 6	1.0	1.3	1.4	1.24	11.4	204	1.00	1.80	9.1	142	3.08	0.148	0.56	57	49	54	48	54	44
ICX 10	6.0	1.3	1.4	1.24	12.3	259	1.00	1.80	10.1	190	1.83	0.138	0.67	75	65	72	64	72	60
ICX 16	6.0	1.3	1.4	1.24	13.1	320	1.00	1.80	10.8	248	1.15	0.128	0.81	94	85	92	83	92	82
ICX 25	6.0	1.5	1.4	1.24	14.7	440	1.20	1.80	12.4	357	0.727	0.120	0.87	125	110	120	110	125	110
ICX 35	6.0	1.5	1.4	1.24	15.7	548	1.20	1.80	13.4	458	0.524	0.114	1.00	150	135	140	125	155	130
ICX 50	6.0	1.7	1.4	1.24	17.2	696	1.40	1.80	14.9	595	0.387	0.110	1.03	180	155	165	150	190	165
ICX 70	12.0	1.7	1.4	1.40	19.1	930	1.40	1.80	16.5	805	0.268	0.103	1.21	220	190	200	175	235	205
ICX 95	15.0	1.9	1.6	1.40	21.6	1243	1.60	1.80	18.6	1081	0.193	0.101	1.27	265	220	230	200	275	245
ICX 120	18.0	1.9	1.6	1.40	23.7	1515	1.60	2.00	21.1	1332	0.153	0.096	1.42	300	250	255	220	310	280
ICX 150	18.0	2.1	1.6	1.40	24.8	1802	1.80	2.00	22.2	1630	0.124	0.094	1.42	340	280	280	245	345	320
ICX 185	30.0	2.3	1.6	1.40	27.1	2198	2.00	2.00	24.5	2013	0.0991	0.12	1.44	380	305	305	260	390	370
ICX 240	34.0	2.5	1.6	1.56	30.2	2822	2.20	2.00	27.3	2592	0.0754	0.090	1.53	420	345	340	285	445	425
ICX 300	34.0	2.8	2.0	1.56	33.7	3542	2.40	2.00	29.8	3202	0.0601	0.074	1.56	465	375	370	310	500	475
ICX 400	53.0	3.0	2.0	1.56	37.1	4412	2.60	2.20	33.6	4070	0.0470	0.059	1.56	500	400	405	335	570	550
ICX 500	53.0	3.4	2.0	1.72	41.2	5585	3.00	2.20	37.4	5175	0.0366	0.046	1.57	540	425	430	355	610	590
ICX 630	53.0	3.9	2.0	1.88	46.2	7138	3.40	2.40	42.2	6664	0.0283	0.037	1.57	590	470	465	375	680	660
ICX 800	53.0	3.9	2.0	1.88	52.0	9000	3.40	2.40	48.0	8248	0.0221	0.031	1.75	664	530	523	425	766	743
ICX 1000	53.0	4.0	2.5	2.04	57.3	11167	3.40	2.60	52.2	10419	0.0176	0.027	1.94	733	585	579	467	856	830

2 CORE ALUMINIUM PVC ARMoured & 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	ARMoured						UNARMoured				Approx. Capacitance mFd/Km	CURRENT RATINGS						
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm		Net Wt. of Cable (Approx) Kg/Km	Max. D.C. Resistance at 20 Ohms/Km	Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)										
2Cx1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	—	390	170	18.10	21.72	0.126	0.140	18	16	16		
2Cx2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	—	450	210	12.10	14.52	0.119	0.150	25	21	21		
2Cx4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	—	550	265	7.41	8.89	0.116	0.160	32	27	27		
2Cx6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	—	640	320	4.61	5.53	0.110	0.190	40	34	35		
2Cx10	1	1.00	0.30	—	1.40	—	1.24	—	19.0	—	745	390	3.08	3.70	0.100	0.220	55	45	47		
2Cx16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	1.40	18.8	20.4	528	338	1.91	2.29	0.097	0.290	70	58	59		
2Cx25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	1.40	20.8	22.4	658	461.0	1.20	1.44	0.097	0.320	90	76	78		
2Cx35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	1.40	21.8	23.4	747	537.0	0.868	1.04	0.097	0.370	110	92	99		
2Cx50	6	1.40	0.30	4x0.8	1.60	1.40	1.40	1.56	24.3	26.2	923	683.0	0.641	0.77	0.094	0.370	135	115	125		
2Cx70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	1.56	26.7	28.3	1124	838.0	0.443	0.53	0.090	0.440	160	140	150		
2Cx95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	1.56	30.2	32.6	1411	1107.0	0.320	0.38	0.090	0.440	190	170	185		
2Cx120	15	1.60	0.40	4x0.8	2.00	1.56	1.56	1.72	31.7	34.4	1613	1291.0	0.253	0.30	0.087	0.490	210	190	210		
2Cx150	15	1.80	0.40	4x0.8	2.00	1.72	1.72	1.72	35.4	37.8	1948	1592.0	0.206	0.25	0.087	0.490	240	210	240		
2Cx185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	1.88	39.4	41.5	2357	1933.0	0.164	0.20	0.087	0.490	275	240	275		
2Cx240	30	2.20	0.50	4x0.8	2.50	2.04	2.04	2.04	42.5	45.9	2880	2424.0	0.125	0.15	0.087	0.500	320	275	325		
2Cx300	30	2.40	0.60	4x0.8	2.50	2.20	2.20	2.20	48.5	51.9	3500	2981.0	0.100	0.12	0.086	0.520	355	305	365		
2Cx400	53	2.60	0.70	4x0.8	3.15	2.36	2.36	2.52	55.5	60.5	4560	3755.0	0.0778	0.09	0.086	0.530	385	345	420		

2 CORE COPPER PVC ARMoured & 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	Nominal Dimensions of Armour				ARMoured				UNARMoured				Max. D.C. Max. A.C. Resistance			Approx. Reactance			CURRENT RATINGS		
				Strip mm		Wire mm		Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx.) mm	Net Wt. of Cable (Approx) Kg/Km	Ohms/Km at 20	Ohms/Km at 70	Ohms/Km at 50 Hz	Ohms/Km	Ohms/Km	Ohms/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm		Strip (Kg/Km)	Wire (Kg/Km)	Strip mm	Wire mm												
2CX 1.5	1	0.80	0.30	—	1.40	—	1.24	—	13.5	—	407	—	1.80	10.40	194	12.1	14.5	0.126	0.14	23	20	20		
2CX 2.5	1	0.90	0.30	—	1.40	—	1.24	—	15.0	—	482	—	1.80	11.90	248	7.4	8.87	0.119	0.15	32	27	27		
2CX 4	1	1.00	0.30	—	1.40	—	1.24	—	16.5	—	596	—	1.80	13.40	316	4.6	5.52	0.116	0.16	41	35	35		
2CX 6	1	1.00	0.30	—	1.40	—	1.24	—	17.5	—	711	—	1.80	14.40	397	3.08	3.69	0.110	0.19	50	44	45		
2CX 10	6	1.00	0.30	—	1.40	—	1.24	—	19.0	—	863	—	1.80	15.90	515	1.83	2.19	0.100	0.22	70	58	60		
2CX 16	6	1.00	0.30	4x0.8	1.60	1.40	1.40	1.40	18.8	20.4	917	721	1.80	18.00	531	1.115	1.38	0.097	0.29	90	75	78		
2CX 25	6	1.20	0.30	4x0.8	1.60	1.40	1.40	1.40	20.8	22.4	1193	965	2.00	20.40	767	0.722	0.87	0.097	0.32	115	97	105		
2CX 35	6	1.20	0.30	4x0.8	1.60	1.40	1.40	1.40	21.8	23.4	1405	1176	2.00	21.40	966	0.524	0.627	0.097	0.37	140	120	125		
2CX 50	6	1.40	0.30	4x0.8	1.60	1.40	1.40	1.40	24.3	26.2	1768	1494	2.00	23.90	1254	0.387	0.463	0.094	0.37	165	145	155		
2CX 70	12	1.40	0.30	4x0.8	1.60	1.56	1.56	1.56	26.7	28.3	2250	1963	2.00	26.00	1677	0.268	0.321	0.090	0.44	205	180	195		
2CX 95	15	1.60	0.40	4x0.8	2.00	1.56	1.56	1.56	30.2	32.6	3081	2577	2.20	29.90	2274	0.193	0.231	0.090	0.44	240	215	230		
2CX 120	18	1.60	0.40	4x0.8	2.00	1.56	1.56	1.56	31.7	34.4	3639	3082	2.20	31.40	2760	0.153	0.184	0.087	0.49	275	235	265		
2CX 150	18	1.80	0.40	4x0.8	2.00	1.72	1.72	1.72	35.4	37.8	4369	3765	2.40	35.20	3409	0.124	0.149	0.087	0.49	310	270	305		
2CX 185	30	2.00	0.50	4x0.8	2.00	1.88	1.88	1.88	39.4	41.5	5281	4626	2.40	38.50	4201	0.0991	0.120	0.087	0.49	350	300	350		
2CX 240	34	2.20	0.50	4x0.8	2.50	2.04	2.04	2.04	42.5	45.9	6893	5865	2.60	42.00	5409	0.0754	0.091	0.087	0.50	405	345	410		
2CX 300	34	2.40	0.60	4x0.8	2.50	2.20	2.20	2.20	48.0	51.9	8424	7250	2.80	45.10	6732	0.0601	0.073	0.086	0.52	450	385	465		
2CX 400	53	2.60	0.70	4x0.8	3.15	2.36	2.36	2.36	55.5	60.5	11171	9188	3.20	52.50	8466	0.0470	0.059	0.086	0.53	490	425	530		

3 CORE ALUMINIUM PVC ARMoured & 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	Nominal Dimensions of Armour				ARMoured				UNARMoured				Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Reactance at 50 Hz	Approx. Capacitance mFd/Km	CURRENT RATINGS					
				Strip mm		Wire mm		Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx.) mm	Net Wt. of Cable (Approx) Kg/Km					Ohms/Km	Ohms/Km	Ohms/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm		Strip (Kg/Km)	Wire (Kg/Km)	Strip mm	Wire mm													
3Cx1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.0	—	420	—	1.80	11.00	190	18.10	21.72	0.126	0.140	16	14	13			
3Cx2.5	1	0.9	0.3	—	1.40	—	1.24	—	15.0	—	500	—	1.80	12.00	230	12.10	14.52	0.119	0.150	21	18	18			
3Cx4	1	1.0	0.3	—	1.40	—	1.24	—	16.5	—	595	—	1.80	13.50	300	7.41	8.89	0.116	0.410	28	23	23			
3Cx6	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	685	—	1.80	14.40	350	4.61	5.53	0.110	0.470	35	30	30			
3Cx10	1	1.0	0.3	—	1.40	—	1.40	—	19.5	—	830	—	1.80	15.60	435	3.08	3.70	0.100	0.560	46	39	40			
3Cx16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	1.40	18.6	20.2	569	767	1.80	18.40	415	1.91	2.29	0.097	0.760	60	50	51			
3Cx25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	1.40	20.3	22.9	750	971	2.00	21.50	586	1.20	1.44	0.097	0.860	76	63	70			
3Cx35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	1.40	23.1	24.7	888	1129	2.00	23.30	705	0.868	1.04	0.097	0.980	92	77	86			
3Cx50	6	1.4	0.3	4x0.8	1.60	1.56	1.56	1.56	26.6	28.2	1147	1436	2.00	26.50	913	0.641	0.77	0.094	1.020	110	95	105			
3Cx70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	1.56	29.6	32.0	1426	1914	2.20	29.90	1187	0.443	0.53	0.090	1.180	135	115	130			
3Cx95	15	1.6	0.4	4x0.8	2.00	1.56	1.72	1.72	33.5	36.2	1815	2420	2.20	33.80	1538	0.320	0.38	0.090	1.200	165	140	155			
3Cx120	15	1.6	0.4	4x0.8	2.00	1.72	1.72	1.72	37.0	39.4	2166	2796	2.20	37.00	1829	0.253	0.30	0.087	1.310	185	155	180			
3Cx150	15	1.8	0.5	4x0.8	2.00	1.88	1.88	1.88	40.1	42.4	2584	3249	2.40	40.10	2228	0.206	0.25	0.087	1.310	210	175	205			
3Cx185	30	2.0	0.5	4x0.8	2.50	1.88	2.04	2.04	44.2	47.9	3009	4246	2.60	44.60	2743	0.164	0.20	0.087	1.310	235	200	240			
3Cx240	30	2.2	0.6	4x0.8	2.50	2.20	2.20	2.20	50.3	53.7	3945	5171	2.80	50.70	3541	0.125	0.15	0.087	1.340	275	235	280			
3Cx300	30	2.4	0.6	4x0.8	2.50	2.36	2.36	2.36	55.0	58.4	4731	6085	3.00	55.50	4296	0.100	0.12	0.086	1.410	305	260	315			
3Cx400	53	2.6	0.7	4x0.8	3.15	2.52	2.68	2.68	62.6	67.6	5927	8135	3.40	63.80	5537	0.0778	0.09	0.086	1.450	335	290	375			

3 CORE COPPER PVC ARMoured & 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	ARMoured				UNARMoured				Max. D.C. Max. A.C. Resistance			Approx. Capacitance			CURRENT RATINGS				
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Overall Diameter (Approx.) mm	Net Wt. of Cable (Approx) Kg/Km	Resistance at 20	Resistance at 70	Reactance at 50 Hz	Direct in Ground	In Air	In Duct			
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)									Ohms/Km	Ohms/Km	Ohms/Km
3CX 1.5	1	0.80	0.3	—	1.4	—	1.24	—	14.0	—	—	442	—	11.00	218	12.1	14.5	0.126	0.14	21	17	17
3CX 2.5	1	0.90	0.3	—	1.4	—	1.24	—	15.0	—	—	542	—	12.00	284	7.41	8.87	0.119	0.15	27	24	24
3CX 4	1	1.00	0.3	—	1.4	—	1.24	—	16.5	—	—	663	—	13.50	372	4.61	5.52	0.116	0.41	36	30	30
3CX 6	1	1.00	0.3	—	1.4	—	1.24	—	17.5	—	—	789	—	14.40	470	3.08	3.69	0.110	0.47	45	39	38
3CX 10	6	1.00	0.3	—	1.4	—	1.40	—	19.5	—	—	1017	—	15.60	629	1.83	2.19	0.100	0.56	60	57	50
3CX 16	6	1.00	0.3	4x0.8	1.6	1.40	1.40	18.6	20.2	859	1057	1057	1057	18.40	705	1.15	1.38	0.097	0.76	77	66	64
3CX 25	6	1.20	0.3	4x0.8	1.6	1.40	1.40	21.3	22.9	1210	1431	1431	1431	21.50	1046	0.727	0.87	0.097	0.86	99	90	81
3CX 35	6	1.20	0.3	4x0.8	1.6	1.40	1.40	23.1	24.7	1532	1773	1773	1773	23.30	1350	0.524	0.627	0.097	0.98	120	110	99
3CX 50	6	1.40	0.3	4x0.8	1.6	1.56	1.56	26.6	28.2	2016	2305	2305	2305	26.50	1783	0.387	0.463	0.094	1.02	145	135	125
3CX 70	12	1.40	0.4	4x0.8	2.0	1.56	1.56	29.6	32.0	2684	3173	3173	3173	29.90	2446	0.268	0.321	0.090	1.18	175	165	150
3CX 95	15	1.60	0.4	4x0.8	2.0	1.56	1.72	33.5	36.2	3564	4169	4169	4169	33.80	3286	0.193	0.231	0.090	1.20	210	200	175
3CX 120	18	1.60	0.4	4x0.8	2.0	1.72	1.72	37.0	39.4	4371	5001	5001	5001	37.00	4034	0.153	0.184	0.087	1.31	240	230	195
3CX 150	18	1.80	0.5	4x0.8	2.0	1.88	1.88	40.1	42.4	5309	5974	5974	5974	40.10	4954	0.124	0.149	0.087	1.31	270	265	225
3CX 185	30	2.00	0.50	4x0.8	2.5	1.88	2.04	44.2	47.9	6502	7648	7648	7648	44.60	6145	0.0991	0.12	0.087	1.31	300	305	255
3CX 240	34	2.2	0.6	4x0.8	2.5	2.20	2.20	51.3	53.7	8422	9648	9648	9648	50.70	8018	0.0754	0.0912	0.087	1.34	345	355	295
3CX 300	34	2.4	0.6	4x0.8	2.5	2.36	2.36	55.0	58.4	10356	11710	11710	11710	55.50	9920	0.0601	0.0739	0.086	1.41	385	400	335
3CX 400	53	2.6	0.7	4x0.8	3.2	2.52	2.68	62.6	67.6	13107	15315	15315	15315	63.80	12717	0.047	0.0592	0.086	1.45	425	455	360

3.5 CORE ALUMINIUM PVC ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Min. Thickness of PVC inner sheath (mm)	Nominal Dimensions of Strip Wire Armour (mm)	Min. Thickness of Strip Wire Armour (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (Kg/Km)		Max. D.C. Resistance at 20 Ohms/Km	Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS					
								Strip Armour (Kg/Km)	Wire Armour (Kg/Km)					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	23.8	25.4	882	1128	1.2000	1.44	0.097	0.86	76	63	70
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	1000	1263	0.8680	1.04	0.097	0.98	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	1289	1583	0.6410	0.77	0.094	1.02	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	1640	2184	0.4430	0.53	0.090	1.18	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	2075	2716	0.3200	0.38	0.090	1.20	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	2502	3203	0.2530	0.30	0.087	1.31	185	155	180
Aywy/Ayfy	3.5Cx150/70	15/12	1.8/1.4	0.5	4x0.8	2.00	1.88	1.88	44.0	46.4	2950	3680	0.2060	0.25	0.087	1.31	210	175	205
Aywy/Ayfy	3.5Cx185/95	30/15	2.0/1.6	0.5	4x0.8	2.50	2.04	2.04	48.8	52.2	3610	4813	0.1640	0.20	0.087	1.31	235	200	240
Aywy/Ayfy	3.5Cx240/120	30/15	2.2/1.6	0.6	4x0.8	2.50	2.20	2.36	55.2	58.9	4526	5715	0.1250	0.15	0.087	1.34	275	235	280
Aywy/Ayfy	3.5Cx300/150	30/15	2.4/1.8	0.6	4x0.8	3.15	2.36	2.52	59.7	64.7	5400	7531	0.1000	0.12	0.086	1.41	305	260	315
Aywy/Ayfy	3.5Cx400/185	53/30	2.6/2.0	0.7	4x0.8	3.15	2.68	2.68	68.6	73.3	6827	9211	0.0778	0.09	0.086	1.45	335	290	375

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 Innersheath mm	Nom. Thickness of Cable Outer sheath mm	Overall Diameter (Approx) mm	Net Wt. (Approx) Kg/Km	Max. DC Resistance at 20°C Ohm/Km	Max. AC Resistance at 70°C Ohm/Km	Approx. Reactance at 50 Hz Ohm/Km	Approx. Capacitance mFd/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	24.00	692	1.20	1.44	0.097	0.86	76	63	70
AYY	3.5 C X 35/16	6/6	1.2/1.0	0.30	2.00	25.00	799	0.868	1.04	0.097	0.98	92	77	86
AYY	3.5 C X 50/25	6/6	1.4/1.2	0.30	2.00	28.50	1034	0.641	0.77	0.094	1.02	110	95	105
AYY	3.5 C X 70/35	12/6	1.4/1.2	0.40	2.20	32.80	1373	0.443	0.53	0.090	1.18	135	115	130
AYY	3.5 C X 95/50	15/6	1.6/1.4	0.40	2.20	36.50	1771	0.320	0.38	0.090	1.20	165	140	155
AYY	3.5 C X 120/70	15/12	1.6/1.4	0.50	2.40	39.70	2180	0.253	0.30	0.087	1.31	185	155	180
AYY	3.5 C X 150/70	15/12	1.8/1.4	0.50	2.40	44.00	2554	0.206	0.25	0.087	1.31	210	175	205
AYY	3.5 C X 185/95	30/15	2.0/1.6	0.50	2.60	48.90	3176	0.164	0.20	0.087	1.31	235	200	240
AYY	3.5 C X 240/120	30/15	2.2/1.6	0.60	3.00	56.00	4128	0.125	0.15	0.087	1.34	275	235	280
AYY	3.5 C X 300/150	30/15	2.4/1.8	0.60	3.20	60.60	4989	0.100	0.12	0.086	1.41	305	260	315
AYY	3.5 C X 400/185	53/30	2.6/2.0	0.70	3.40	69.40	6344	0.0778	0.09	0.086	1.45	335	290	375

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)		Approx. Net Wt. of Cable		Max. DC Resistance at 20°C Ohm/Km	Max. AC Reactance at 50 Hz Ohm/Km	Approx. Capacitance mFd/Km	Current Ratings	
					Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip Kg/Km	Wire Kg/Km				Direct in Ground Amps	In Air Amps
YVY/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	1438	1685	0.727	0.097	0.86	99	90
YVY/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	1741	2004	0.524	0.097	0.98	120	110
YVY/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	2313	2606	0.387	0.094	1.02	145	135
YVY/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	3113	3657	0.268	0.090	1.18	175	165
YVY/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	4115	4756	0.193	0.090	1.20	210	200
YVY/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	5125	5827	0.153	0.087	1.31	240	230
YVY/YFY	3.5C X 150/70	18/12	1.8/1.4	0.5	4x0.8	2.00	1.88	1.88	44.0	46.4	6095	6825	0.124	0.149	1.31	270	265
YVY/YFY	3.5C X 185/95	30/15	2.0/1.6	0.5	4x0.8	2.50	2.04	2.04	48.8	52.2	7595	8799	0.0991	0.120	1.31	300	305
YVY/YFY	3.5C X 240/120	34/18	2.2/1.6	0.6	4x0.8	2.50	2.20	2.36	55.2	58.9	9738	11128	0.0754	0.087	1.34	345	355
YVY/YFY	3.5C X 300/150	34/18	2.4/1.8	0.6	4x0.8	3.15	2.36	2.52	59.7	64.7	11945	14064	0.0601	0.0739	1.41	385	400
YVY/YFY	3.5C X 400/185	53/30	2.6/2.0	0.7	4x0.8	3.15	2.68	2.68	68.6	73.3	15139	17523	0.0470	0.0592	1.45	425	455

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	Overall Diameter (Approx) mm	Nominal Thickness of Outer Sheath mm	Minimum Thickness of PVC Inner Sheath mm	Net Wt. of Cable (Approx) Kg/Km	Max. AC Resistance (Approx) Ohm/Km	Max. DC Resistance at 70°C Ohm/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS	
											Direct in Ground Amps	In Duct Amps
YY	3.5 C X 25/16	6/6	1.2/1.0	24.00	2.00	0.30	1248	0.73	0.87	0.097	81	90
YY	3.5 C X 35/16	6/6	1.2/1.0	25.00	2.00	0.30	1541	0.524	0.627	0.097	99	110
YY	3.5 C X 50/25	6/6	1.4/1.2	28.30	2.00	0.30	2058	0.387	0.463	1.02	125	135
YY	3.5 C X 70/35	12/6	1.4/1.2	32.80	2.20	0.40	2845	0.268	0.321	1.18	150	165
YY	3.5 C X 95/50	15/6	1.6/1.4	31.50	2.20	0.40	3810	0.193	0.231	1.20	175	200
YY	3.5 C X 120/70	18/12	1.6/1.4	39.70	2.40	0.50	4804	0.153	0.184	1.31	195	230
YY	3.5 C X 150/70	18/12	1.8/1.4	44.00	2.40	0.50	5699	0.124	0.149	1.31	225	265
YY	3.5 C X 185/95	30/15	2.0/1.6	48.90	2.60	0.50	7161	0.099	0.1200	1.31	255	305
YY	3.5 C X 240/120	34/18	2.2/1.6	56.00	3.00	0.60	9340	0.075	0.0912	1.34	295	355
YY	3.5 C X 300/150	34/18	2.4/1.8	60.60	3.20	0.60	11521	0.060	0.0739	1.41	335	400
YY	3.5 C X 400/185	53/30	2.6/2.0	69.40	3.40	0.70	14651	0.0470	0.0592	1.45	360	455

4 CORE ALUMINIUM PVC ARMoured & 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	ARMoured				UNARMoured				Max. D.C. Max. A.C. Resistance			Approx. Capacitance			CURRENT RATINGS					
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/Km	at 20		at 70		Ohms/Km	mf/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)				Ohms/Km	Ohms/Km	Ohms/Km	Ohms/Km					
4CX1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	—	470	—	1.80	11.70	210	18.10	21.72	0.126	0.140	16	14	13	
4CX2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	—	560	—	1.80	13.20	270	12.10	14.52	0.119	0.150	21	18	18	
4CX4	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	675	—	1.80	15.00	340	7.41	8.89	0.116	0.410	28	23	23	
4CX6	1	1.0	0.3	—	1.40	—	1.24	—	19.0	—	800	—	1.80	16.00	420	4.61	5.53	0.110	0.470	35	30	30	
4CX10	1	1.0	0.3	4x0.8	1.60	1.40	1.40	1.40	21.5	23.0	1030	800	1.80	19.00	510	3.08	3.70	0.100	0.560	46	39	40	
4CX16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	1.40	22.2	23.8	966	727	2.00	22.40	553	1.91	2.29	0.097	0.760	60	50	51	
4CX25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	1.40	23.6	25.2	1165	915	2.00	23.80	728	1.20	1.44	0.097	0.860	76	63	70	
4CX35	6	1.2	0.3	4x0.8	1.60	1.40	1.40	1.56	25.9	27.8	1396	1097	2.00	26.10	886	0.868	1.04	0.097	0.980	92	77	86	
4CX50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	1.56	30.3	32.7	1432	1432	2.20	30.60	1187	0.641	0.77	0.094	1.020	110	95	105	
4CX70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	1.56	33.4	35.8	1781	2336	2.20	33.70	1505	0.443	0.53	0.090	1.180	135	115	130	
4CX95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	1.72	38.2	40.6	2311	2948	2.40	38.60	1997	0.320	0.38	0.090	1.200	165	140	155	
4CX120	15	1.6	0.5	4x0.8	2.00	1.88	1.88	1.88	41.7	44.1	2762	3453	2.40	41.70	2390	0.253	0.30	0.087	1.310	185	155	180	
4CX150	15	1.8	0.5	4x0.8	2.50	1.88	1.88	2.04	44.7	48.4	3246	4387	2.60	45.10	2885	0.206	0.25	0.087	1.310	210	175	205	
4CX185	30	2.0	0.6	4x0.8	2.50	2.04	2.04	2.20	50.1	53.8	3982	5245	2.80	50.80	3615	0.164	0.20	0.087	1.310	235	200	240	
4CX240	30	2.2	0.6	4x0.8	2.50	2.36	2.36	2.36	56.7	60.1	5038	6445	3.00	57.20	4587	0.125	0.15	0.087	1.340	275	235	280	
4CX300	30	2.4	0.7	4x0.8	3.15	2.52	2.68	2.68	62.9	68.0	6109	8376	3.40	64.10	5716	0.100	0.12	0.086	1.410	305	260	315	
4CX400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	2.84	70.6	75.3	7640	10124	3.60	71.50	7157	0.0778	0.09	0.086	1.450	335	290	375	

4 CORE COPPER PVC ARMoured & 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	ARMoured						UNARMoured			Max. D.C. Max. A.C. Resistance			CURRENT RATINGS					
				Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Overall Diameter (Approx) mm	Net Wt. of Cable (Approx) Kg/Km	Ohms/Km at 20	Ohms/Km at 70	Approx. Reactance at 50 Hz mFd/Km	Direct in Ground Amps	In Duct Amps	In Air Amps		
				Strip mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire mm	Strip (Kg/Km)	Wire (Kg/Km)									Ohms/Km	Ohms/Km
4C X 1.5	1	0.8	0.3	—	1.40	—	1.24	—	14.5	—	503	1.80	11.70	256	12.1	14.5	0.126	0.14	21	17	17
4C X 2.5	1	0.9	0.3	—	1.40	—	1.24	—	16.0	—	616	1.80	13.20	335	7.4	8.87	0.119	0.15	27	24	24
4C X 4	1	1.0	0.3	—	1.40	—	1.24	—	17.5	—	771	1.80	15.00	446	4.6	5.52	0.116	0.41	36	30	30
4C X 6	1	1.0	0.3	—	1.40	—	1.24	—	19.0	—	947	1.80	16.00	576	3.1	3.69	0.110	0.47	45	39	38
4C X 10	6	1.0	0.3	4x0.8	1.60	1.40	1.40	1.40	21.5	23.0	1045	1.80	19.00	773	1.8	2.19	0.100	0.56	60	57	50
4C X 16	6	1.0	0.3	4x0.8	1.60	1.40	1.40	1.40	22.2	23.8	1113	2.00	22.40	940	1.2	1.38	0.097	0.76	77	66	64
4C X 25	6	1.2	0.3	4x0.8	1.60	1.40	1.40	1.40	23.6	25.2	1529	2.00	23.80	1342	0.727	0.87	0.097	0.86	99	90	81
4C X 35	6	1.2	0.3	4x0.8	1.60	1.40	1.56	1.40	25.9	27.8	1955	2.00	26.10	1744	0.524	0.62	0.097	0.98	120	110	99
4C X 50	6	1.4	0.4	4x0.8	2.00	1.56	1.56	1.56	30.3	32.7	2593	2.20	30.60	2347	0.387	0.46	0.094	1.02	145	135	125
4C X 70	12	1.4	0.4	4x0.8	2.00	1.56	1.56	1.56	33.4	35.8	3459	2.20	33.70	3183	0.268	0.32	0.090	1.18	175	165	150
4C X 95	15	1.6	0.4	4x0.8	2.00	1.72	1.72	1.72	38.2	40.6	4643	2.40	38.60	4330	0.193	0.23	0.090	1.20	210	200	175
4C X 120	18	1.6	0.5	4x0.8	2.00	1.88	1.88	1.88	41.7	44.1	5702	2.40	41.70	5330	0.153	0.18	0.087	1.31	240	230	195
4C X 150	18	1.8	0.5	4x0.8	2.50	1.88	2.04	2.04	44.7	48.4	6872	2.60	45.10	6511	0.124	0.14	0.087	1.31	270	265	225
4C X 185	30	2.0	0.6	4x0.8	2.50	2.04	2.20	2.20	50.1	53.8	9782	2.80	50.80	8152	0.0991	0.12	0.087	1.31	300	305	255
4C X 240	34	2.2	0.6	4x0.8	2.50	2.36	2.36	2.36	56.7	60.1	11008	3.00	57.20	10557	0.0754	0.091	0.087	1.34	345	355	295
4C X 300	34	2.4	0.7	4x0.8	3.15	2.52	2.68	2.68	62.9	68.0	15877	3.40	64.10	13218	0.0601	0.073	0.086	1.41	385	400	335
4C X 400	53	2.6	0.7	4x0.8	3.15	2.84	2.84	2.84	70.6	75.3	17213	3.60	71.50	16729	0.0470	0.059	0.086	1.45	425	455	360

1 CORE ALUMINIUM XLPE ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	ARMoured						UNARMoured				ARMoured		UNARMoured		CURRENT RATINGS		
	Min. No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (kg/Km)	Thickness of PVC insulation (Nom.) (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (kg/Km)	Max. D.C. Resistance at 20 Ohms/Km	Max. A.C. Resistance at 70 Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	Direct in Ground Amps
ICX25	6	1.20	1.40	1.24	14.1	253	0.90	1.80	11.8	177	1.200	1.5400	0.102	0.40	0.52	96	98
ICX35	6	1.20	1.40	1.24	15.1	297	0.90	1.80	12.8	215	0.868	1.1100	0.097	0.47	0.60	114	121
ICX50	6	1.30	1.40	1.24	16.4	358	1.00	1.80	14.1	270	0.641	0.8200	0.092	0.50	0.63	135	150
ICX70	12	1.40	1.40	1.24	18.2	448	1.10	1.80	15.9	347	0.443	0.5670	0.099	0.55	0.68	166	187
ICX95	15	1.40	1.60	1.40	20.6	588	1.10	1.80	17.6	438	0.320	0.4100	0.097	0.64	0.79	198	230
ICX120	15	1.50	1.60	1.40	22.9	701	1.20	1.80	20.3	556	0.253	0.3250	0.093	0.67	0.79	225	268
ICX150	15	1.70	1.60	1.40	24.0	806	1.40	2.00	21.4	652	0.206	0.2650	0.091	0.67	0.79	253	309
ICX185	30	1.90	1.60	1.40	26.3	966	1.60	2.00	23.7	795	0.164	0.2110	0.090	0.67	0.79	286	360
ICX240	30	2.00	1.60	1.40	28.9	1179	1.70	2.00	26.3	991	0.125	0.1620	0.086	0.72	0.79	332	433
ICX300	30	2.10	1.60	1.56	31.5	1421	1.80	2.00	28.6	1193	0.100	0.1300	0.085	0.75	0.79	376	501
ICX400	53	2.40	2.00	1.56	35.9	1836	2.00	2.20	32.4	1519	0.0778	0.1023	0.085	0.75	0.79	431	596
ICX500	53	2.60	2.00	1.56	39.3	2232	2.20	2.20	35.8	1887	0.0605	0.0808	0.083	0.77	0.79	490	693
ICX630	53	2.80	2.00	1.72	43.6	2773	2.40	2.20	39.8	2360	0.0469	0.0648	0.082	0.81	0.79	557	814
ICX800	53	3.10	2.00	1.88	50.0	3730	2.60	2.40	46.0	3100	0.0362	0.0530	0.081	0.88	0.79	600	890
ICX1000	53	3.30	2.50	2.04	55.9	4411	2.80	2.60	51.0	3735	0.0291	0.0444	0.081	0.88	0.79	650	1050

1 CORE COPPER XLPE ARMoured & UNARMoured POWER CABLES

No. of cores & cross sectional area	ARMoured						UNARMoured				Max. A.C. Resistance at 70	Max. D.C. Resistance at 20	ARMoured		UNARMoured		CURRENT RATINGS	
	Min. No. of Wires	Thickness of PVC insulation (Nom.) (mm)	Nominal Dimensions of Armour Wire (mm)	Min. Thickness of PVC Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (kg/Km)	Thickness of PVC insulation (Nom.) (mm)	Nom. Thickness of Outer Sheath (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (kg/Km)			Ohms/Km	Ohms/Km	Approx. Reactance at 50 Hz	Approx. Capacitance	Direct in Ground	In Air
ICX 25	6	1.20	1.40	1.24	14.1	407	0.90	1.8	11.8	331	0.727	0.930	0.116	0.40	0.102	0.52	132	132
ICX 35	6	1.20	1.40	1.24	15.1	511	0.90	1.8	12.8	428	0.524	0.671	0.110	0.47	0.097	0.60	156	156
ICX 50	6	1.30	1.40	1.24	16.4	643	1.00	1.8	14.1	554	0.387	0.495	0.103	0.50	0.092	0.63	186	198
ICX 70	12	1.40	1.40	1.24	18.2	866	1.10	1.8	15.9	764	0.268	0.343	0.099	0.55	0.088	0.68	228	246
ICX 95	15	1.40	1.60	1.40	20.6	1168	1.10	1.8	17.6	1018	0.193	0.247	0.097	0.64	0.085	0.79	264	294
ICX 120	18	1.50	1.60	1.40	22.9	1432	1.20	1.8	20.3	1287	0.153	0.196	0.093	0.67	0.082	0.79	300	336
ICX 150	18	1.70	1.60	1.40	24.0	1710	1.40	2.0	21.4	1556	0.124	0.159	0.091	0.67	0.082	0.79	336	384
ICX 185	30	1.90	1.60	1.40	26.3	2095	1.60	2.0	23.7	1924	0.0991	0.127	0.090	0.67	0.082	0.79	366	444
ICX 240	34	2.00	1.60	1.40	28.9	2664	1.70	2.0	26.3	2476	0.0754	0.0965	0.086	0.72	0.079	0.84	414	510
ICX 300	34	2.10	1.60	1.56	31.5	3287	1.80	2.0	28.6	3058	0.0601	0.0769	0.085	0.75	0.078	0.86	450	570
ICX 400	53	2.40	2.00	1.56	35.9	4217	2.00	2.2	32.4	3899	0.0470	0.0608	0.085	0.75	0.077	0.88	480	660
ICX 500	53	2.60	2.00	1.56	39.3	5286	2.20	2.2	35.8	4941	0.0366	0.0468	0.083	0.77	0.076	0.90	564	708
ICX 630	53	2.80	2.00	1.72	43.6	6728	2.40	2.2	39.8	6315	0.0283	0.0362	0.082	0.81	0.075	0.94	570	825
ICX 800	53	3.10	2.00	1.88	50.0	8250	2.60	2.4	46.0	7676	0.0221	0.0283	0.081	0.88	0.075	0.97	660	945
ICX1000	53	3.30	2.50	2.04	55.9	10766	2.80	2.6	51.0	10090	0.0176	0.0225	0.081	0.88	0.068	1.01	723	1063

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 Wire Armour (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 Armour (kg/Km)	Strip Armour (kg/Km)					Direct in Ground Amps	In Air Amps	
A2xfy/A2xwy	2CX25	6	0.90	0.3	1.60	4X0.8	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	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	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	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	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	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	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	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	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	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	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 inner-sheath (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

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	19.6	21.2	19.6	889	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	20.6	22.2	20.6	1093	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	22.7	24.3	22.7	1379	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	25.5	27.1	25.5	1852	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	28.4	30.8	28.4	2904	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	30.3	32.7	30.3	3436	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	33.8	36.2	33.8	4150	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	37.1	39.9	37.1	5032	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	40.2	43.9	40.2	6553	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	45.8	49.5	45.8	8024	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	50.0	54.0	50.0	9688	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

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 Wire Armour (mm)	Overall Diameter (Approx.) (mm)	Approx. Net Wt. of Cable (kg/Km)		Max. D.C. Resistance at 20°C Ohms/Km	Max. A.C. Reactance at 90°C Ohms/Km	Approx. Reactance at 50 Hz Ohms/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS	
								Wire Armour (kg/Km)	Strip Armour (kg/Km)					Direct in Ground Amps	In Air Amps
A2xfy/A2xwy	3CX25	6	0.9	0.3	1.6	4X0.8	21.7	861	654	1.2	1.54	0.08	0.2	94	96
A2xfy/A2xwy	3CX35	6	0.9	0.3	1.6	4X0.8	23.8	1028	789	0.868	1.11	0.08	0.23	113	117
A2xfy/A2xwy	3CX50	6	1	0.3	1.6	4X0.8	26.5	1252	966	0.641	0.82	0.078	0.24	133	142
A2xfy/A2xwy	3CX70	12	1.1	0.4	2	4X0.8	31.3	1790	1290	0.443	0.567	0.077	0.26	164	179
A2xfy/A2xwy	3CX95	15	1.1	0.4	2	4X0.8	33.5	2091	1575	0.32	0.41	0.074	0.29	196	221
A2xfy/A2xwy	3CX120	15	1.2	0.4	2	4X0.8	38.4	2549	2926	0.253	0.325	0.072	0.29	223	257
A2xfy/A2xwy	3CX150	15	1.4	0.5	2	4X0.8	42.0	3020	2317	0.206	0.265	0.072	0.29	249	292
A2xfy/A2xwy	3CX185	30	1.6	0.5	2.5	4X0.8	47.0	3940	2808	0.164	0.211	0.072	0.29	282	337
A2xfy/A2xwy	3CX240	30	1.7	0.6	2.5	4X0.8	50.0	4616	3453	0.125	0.162	0.072	0.31	326	399
A2xfy/A2xwy	3CX300	30	1.8	0.6	2.5	4X0.8	55.3	5495	4169	0.1	0.13	0.071	0.33	367	455
A2xfy/A2xwy	3CX400	53	2	0.7	3.15	4X0.8	63.5	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

3 CORE COPPER XLPE ARMoured & 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	Nominal Dimensions of Armour				ARMoured				UNARMoured			Max. D.C. Resistance			Approx. Reactance			CURRENT RATINGS		
				Strip mm		Wire mm		Min. Thickness of PVC Outer Sheath	Overall Diameter (Approx.)		Approx. Net Wt. of Cable	Nom. Thickness of Outer Sheath mm	Overall Diameter (Approx.) mm	Net Wt. of Cable (Approx) Kg/Km	Resistance at 20	Resistance at 70	Reactance at 50 Hz	Ohms/Km	Ohms/Km	Capacity mfd/Km	Direct in Ground Amps	In Air Amps	In Duct Amps
				Strip mm	Wire mm	Strip mm	Wire mm		Strip (Kg/Km)	Wire (Kg/Km)													
3CX 1.5	1	0.80	0.3	—	1.4	—	1.24	—	14.0	—	442	1.80	11.00	218	12.1	14.5	0.126	0.14	21	17	17		
3CX 2.5	1	0.90	0.3	—	1.4	—	1.24	—	15.0	—	542	1.80	12.00	284	7.41	8.87	0.119	0.15	27	24	24		
3CX 4	1	1.00	0.3	—	1.4	—	1.24	—	16.5	—	663	1.80	13.50	372	4.61	5.52	0.116	0.41	36	30	30		
3CX 6	1	1.00	0.3	—	1.4	—	1.24	—	17.5	—	789	1.80	14.40	470	3.08	3.69	0.110	0.47	45	39	38		
3CX 10	6	1.00	0.3	—	1.4	—	1.40	—	19.5	—	1017	1.80	15.60	629	1.83	2.19	0.100	0.56	60	57	50		
3CX 16	6	1.00	0.3	4x0.8	1.6	1.40	1.40	18.6	20.2	859	1057	1.80	18.40	705	1.15	1.38	0.097	0.76	77	66	64		
3CX 25	6	1.20	0.3	4x0.8	1.6	1.40	1.40	21.3	22.9	1210	1431	2.00	21.50	1046	0.727	0.87	0.097	0.86	99	90	81		
3CX 35	6	1.20	0.3	4x0.8	1.6	1.40	1.40	23.1	24.7	1532	1773	2.00	23.30	1350	0.524	0.627	0.097	0.98	120	110	99		
3CX 50	6	1.40	0.3	4x0.8	1.6	1.56	1.56	26.6	28.2	2016	2305	2.00	26.50	1783	0.387	0.463	0.094	1.02	145	135	125		
3CX 70	12	1.40	0.4	4x0.8	2.0	1.56	1.56	29.6	32.0	2684	3173	2.20	29.90	2446	0.268	0.321	0.090	1.18	175	165	150		
3CX 95	15	1.60	0.4	4x0.8	2.0	1.56	1.72	33.5	36.2	3564	4169	2.20	33.80	3286	0.193	0.231	0.090	1.20	210	200	175		
3CX 120	18	1.60	0.4	4x0.8	2.0	1.72	1.72	37.0	39.4	4371	5001	2.20	37.00	4034	0.153	0.184	0.087	1.31	240	230	195		
3CX 150	18	1.80	0.5	4x0.8	2.0	1.88	1.88	40.1	42.4	5309	5974	2.40	40.10	4954	0.124	0.149	0.087	1.31	270	265	225		
3CX 185	30	2.00	0.50	4x0.8	2.5	1.88	2.04	44.2	47.9	6502	7648	2.60	44.60	6145	0.0991	0.12	0.087	1.31	300	305	255		
3CX 240	34	2.2	0.6	4x0.8	2.5	2.20	2.20	51.3	53.7	8422	9648	2.80	50.70	8018	0.0754	0.0912	0.087	1.34	345	355	295		
3CX 300	34	2.4	0.6	4x0.8	2.5	2.36	2.36	55.0	58.4	10356	11710	3.00	55.50	9920	0.0601	0.0739	0.086	1.41	385	400	335		
3CX 400	53	2.6	0.7	4x0.8	3.2	2.52	2.68	62.6	67.6	13107	15315	3.40	63.80	12717	0.047	0.0592	0.086	1.45	425	455	360		

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 insulation (nom)	Nominal Dimensions of Armour Strip Wire (mm)	Min. Thickness of Wire Armour (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 mF/d/Km	CURRENT RATINGS	
								Wire Armour (Kg/Km)	Strip Armour (Kg/Km)					Direct in Ground Amps	In Air Amps
A2xy/A2xxy	3.5CX25	6/6	0.9	0.7	1.60	4X0.8	23.8	999	760	1.2000	1.5400	0.080	0.20	94	96
A2xy/A2xxy	3.5CX35	6/6	0.9	0.7	1.60	4X0.8	25.5	1146	885	0.8680	1.1100	0.080	0.23	113	117
A2xy/A2xxy	3.5CX50	6/6	1.0	0.9	1.60	4X0.8	29.0	1427	1114	0.6410	0.8200	0.078	0.24	133	142
A2xy/A2xxy	3.5CX70	12/6	1.1	0.9	2.00	4X0.8	34.0	2006	1473	0.4430	0.5670	0.077	0.26	164	179
A2xy/A2xxy	3.5CX95	15/6	1.1	1.0	2.00	4X0.8	37.6	2436	1834	0.3200	0.4100	0.074	0.29	196	221
A2xy/A2xxy	3.5CX120	15/12	1.2	1.1	2.00	4X0.8	40.2	2863	2220	0.2530	0.3250	0.072	0.29	223	257
A2xy/A2xxy	3.5CX150	15/12	1.4	1.1	2.00	4X0.8	45.2	3378	2623	0.2060	0.2650	0.072	0.29	249	292
A2xy/A2xxy	3.5CX185	30/15	1.6	1.1	2.50	4X0.8	49.7	4339	3179	0.1640	0.2110	0.072	0.29	282	337
A2xy/A2xxy	3.5CX240	30/15	1.7	1.2	2.50	4X0.8	55.4	5298	3981	0.1250	0.1620	0.072	0.31	326	399
A2xy/A2xxy	3.5CX300	30/15	1.8	1.4	2.50	4X0.8	59.3	6172	4750	0.1000	0.1300	0.071	0.33	367	455
A2xy/A2xxy	3.5CX400	53/30	2.0	1.6	3.15	4X0.8	69.2	8341	6030	0.0778	0.1023	0.070	0.33	418	530

3.5 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 (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 mF/d/Km	CURRENT RATINGS	
												Direct in Ground Amps	In Air Amps
A2xy	3.5CX25	6/6	0.90	0.70	2.00	22.4	587	1.2000	1.5400	0.080	0.20	94	96
A2xy	3.5CX35	6/6	0.90	0.70	2.00	24.1	694	0.8680	1.1100	0.080	0.23	113	117
A2xy	3.5CX50	6/6	1.00	0.90	2.00	27.3	890	0.6410	0.8200	0.078	0.24	133	142
A2xy	3.5CX70	12/6	1.10	0.90	2.20	31.9	1215	0.4430	0.5670	0.077	0.26	164	179
A2xy	3.5CX95	15/6	1.10	1.00	2.20	35.5	1540	0.3200	0.4100	0.074	0.29	196	221
A2xy	3.5CX120	15/12	1.20	1.10	2.20	37.8	1875	0.2530	0.3250	0.072	0.29	223	257
A2xy	3.5CX150	15/12	1.40	1.10	2.40	42.8	2271	0.2060	0.2650	0.072	0.29	249	292
A2xy	3.5CX185	30/15	1.60	1.10	2.60	46.4	2805	0.1640	0.2110	0.072	0.29	282	337
A2xy	3.5CX240	30/15	1.70	1.20	2.80	52.4	3599	0.1250	0.1620	0.072	0.31	326	399
A2xy	3.5CX300	30/15	1.80	1.40	3.00	56.4	4348	0.1000	0.1300	0.071	0.33	367	455
A2xy	3.5CX400	53/30	2.00	1.60	3.40	65.3	5629	0.0778	0.1023	0.070	0.33	418	530

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
2XXY/2XFY	3.5CX25/16	6/6	0.9/0.7	0.3	4x0.8	1.60	1.40	1.40	22.2	23.8	1556	1316	0.727	0.930	0.080	0.20	119	108
2XXY/2XFY	3.5CX35/16	6/6	0.9/0.7	0.3	4x0.8	1.60	1.40	1.40	23.9	25.5	1887	1626	0.524	0.671	0.080	0.23	144	132
2XXY/2XFY	3.5CX50/25	6/6	1.0/0.9	0.3	4x0.8	1.60	1.56	1.40	27.1	29.0	2651	2137	0.387	0.495	0.078	0.24	174	162
2XXY/2XFY	3.5CX70/35	12/6	1.1/0.9	0.4	4x0.8	2.00	1.56	1.56	31.6	34.0	3479	2946	0.268	0.343	0.077	0.26	210	198
2XXY/2XFY	3.5CX95/50	15/6	1.1/1.0	0.4	4x0.8	2.00	1.56	1.56	35.2	37.6	4476	3874	0.193	0.247	0.074	0.29	252	240
2XXY/2XFY	3.5CX120/70	18/12	1.2/1.1	0.4	4x0.8	2.00	1.72	1.72	40.2	40.2	5487	4844	0.153	0.196	0.072	0.29	288	276
2XXY/2XFY	3.5CX150/70	18/15	1.4/1.1	0.5	4x0.8	2.00	1.88	1.72	45.2	42.4	6523	5768	0.124	0.159	0.072	0.29	324	318
2XXY/2XFY	3.5CX185/95	30/15	1.6/1.1	0.5	4x0.8	2.50	2.04	1.88	49.7	46.0	8325	7164	0.0991	0.127	0.072	0.29	360	366
2XXY/2XFY	3.5CX240/120	34/18	1.7/1.2	0.6	4x0.8	2.50	2.20	2.04	55.4	51.7	10510	9193	0.0754	0.0965	0.072	0.31	414	426
2XXY/2XFY	3.5CX300/150	34/18	1.8/1.4	0.6	4x0.8	2.50	2.36	2.20	59.3	55.6	12705	11282	0.0601	0.0769	0.071	0.33	462	480
2XXY/2XFY	3.5CX400/185	53/30	2.0/1.6	0.7	4x0.8	3.15	2.68	2.52	69.2	64.1	16653	14342	0.0470	0.0602	0.070	0.33	510	546

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	3.5C X 25/16	6/6	0.9/0.7	0.3	2.00	22.4	1143	0.727	0.930	0.080	0.20	119	108
2XY	3.5C X 35/16	6/6	0.9/0.7	0.3	2.00	24.1	1436	0.524	0.671	0.080	0.23	144	132
2XY	3.5C X 50/25	6/6	1.0/0.9	0.3	2.00	27.3	1914	0.387	0.495	0.078	0.24	174	162
2XY	3.5C X 70/35	12/6	1.1/0.9	0.4	2.20	31.9	2688	0.268	0.343	0.077	0.26	210	198
2XY	3.5C X 95/50	15/6	1.1/1.0	0.4	2.20	35.5	3579	0.193	0.247	0.074	0.29	252	240
2XY	3.5C X 120/70	18/12	1.2/1.1	0.4	2.20	37.8	4498	0.153	0.196	0.072	0.29	288	276
2XY	3.5C X 150/70	18/15	1.4/1.1	0.5	2.40	42.8	5416	0.124	0.159	0.072	0.29	324	318
2XY	3.5C X 185/95	30/15	1.6/1.1	0.5	2.60	46.4	6791	0.0991	0.127	0.072	0.29	360	366
2XY	3.5C X 240/120	34/18	1.7/1.2	0.6	2.80	52.4	8812	0.0754	0.0965	0.072	0.31	414	426
2XY	3.5C X 300/150	34/18	1.8/1.4	0.6	3.00	56.4	10881	0.0601	0.0769	0.071	0.33	462	480
2XY	3.5C X 400/185	53/30	2.0/1.6	0.7	3.40	65.3	13914	0.0470	0.0602	0.070	0.33	510	546

4 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 innersheath (mm)	Nominal Dimensions of Armour Wire Strip (mm)	Min. Thickness of Wire Strip Armour (mm)	Overall Diameter (Approx.) (mm)	Overall Diameter (Approx.) (mm)		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 Rating		
								Wire	Strip Armour					Direct in Ground Amps	In Air Amps	
A2xfy/A2xwy	4CX16	6	0.7	0.3	1.60	4X0.8	1.40	1.40	22.8	21.2	862	640	1.91	2.45	73	70
A2xfy/A2xwy	4CX25	6	0.9	0.3	1.60	4X0.8	1.40	1.40	23.8	23.2	1031	792	1.2	1.54	94	96
A2xfy/A2xwy	4CX35	6	0.9	0.3	1.60	4X0.8	1.40	1.40	26.0	24.4	1212	959	0.868	1.11	113	117
A2xfy/A2xwy	4CX50	6	1	0.3	1.60	4X0.8	1.56	1.56	29.5	27.9	1515	1214	0.641	0.82	133	142
A2xfy/A2xwy	4CX70	12	1.1	0.4	2.00	4X0.8	1.56	1.56	34.1	31.7	2112	1581	0.443	0.567	164	179
A2xfy/A2xwy	4CX95	15	1.1	0.4	2.00	4X0.8	1.72	1.56	37.9	35.2	2606	1975	0.32	0.41	196	221
A2xfy/A2xwy	4CX120	15	1.2	0.5	2.00	4X0.8	1.88	1.72	41.9	39.1	3102	2422	0.253	0.325	223	257
A2xfy/A2xwy	4CX150	15	1.4	0.5	2.50	4X0.8	2.04	1.88	46.3	42.6	3985	2892	0.206	0.265	249	292
A2xfy/A2xwy	4CX185	30	1.6	0.5	2.50	4X0.8	2.20	2.04	51.5	47.8	4761	3542	0.164	0.211	282	337
A2xfy/A2xwy	4CX240	30	1.7	0.6	2.50	4X0.8	2.36	2.20	57.5	53.8	5824	4453	0.125	0.162	326	399
A2xfy/A2xwy	4CX300	30	1.8	0.7	3.15	4X0.8	2.52	2.36	64.5	59.5	7518	5394	0.1	0.13	367	455
A2xfy/A2xwy	4CX400	53	2	0.7	3.15	4X0.8	2.84	2.68	72.1	67.1	9179	6779	0.0778	0.1023	418	530

4 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	4CX16	6	0.7	0.3	1.80	21.0	457	1.9100	2.4500			73	70
A2xy	4CX25	6	0.9	0.3	2.00	22.4	618	1.2000	1.5400	0.080	0.20	94	96
A2xy	4CX35	6	0.9	0.3	2.00	24.6	763	0.8680	1.1100	0.080	0.23	113	117
A2xy	4CX50	6	1.0	0.3	2.00	27.8	964	0.6410	0.8200	0.078	0.24	133	142
A2xy	4CX70	12	1.1	0.4	2.20	32.0	1321	0.4430	0.5670	0.077	0.26	164	179
A2xy	4CX95	15	1.1	0.4	2.20	35.5	1681	0.3200	0.4100	0.074	0.29	196	221
A2xy	4CX120	15	1.2	0.5	2.40	39.5	2103	0.2530	0.3250	0.072	0.29	223	257
A2xy	4CX150	15	1.4	0.5	2.60	43.0	2551	0.2060	0.2650	0.072	0.29	249	292
A2xy	4CX185	30	1.6	0.5	2.80	48.3	3164	0.1640	0.2110	0.072	0.29	282	337
A2xy	4CX240	30	1.7	0.6	3.00	54.6	4067	0.1250	0.1620	0.072	0.31	326	399
A2xy	4CX300	30	1.8	0.7	3.20	60.6	5012	0.1000	0.1300	0.071	0.33	367	455
A2xy	4CX400	53	2.0	0.7	3.60	68.3	6373	0.0778	0.1023	0.070	0.33	418	530

4 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
2XWV/2XFY	4C X 16	6	0.70	0.3	4x0.8	1.60	1.40	1.40	22.8	21.2	1249	1026	1.15	1.47	0.080	0.36	92	79
2XWV/2XFY	4C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	1645	1406	0.727	0.930	0.080	0.20	119	108
2XWV/2XFY	4C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	26.0	24.4	2070	1816	0.524	0.671	0.080	0.23	144	132
2XWV/2XFY	4C X 50	6	1.00	0.3	4x0.8	1.60	1.56	1.56	29.5	27.9	2676	2375	0.387	0.495	0.078	0.24	174	162
2XWV/2XFY	4C X 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	34.1	31.7	3791	3259	0.268	0.343	0.077	0.26	210	198
2XWV/2XFY	4C X 95	15	1.10	0.4	4x0.8	2.00	1.72	1.56	37.9	35.2	4938	4308	0.193	0.247	0.074	0.29	252	240
2XWV/2XFY	4C X 120	18	1.20	0.5	4x0.8	2.00	1.88	1.72	41.9	39.1	6042	5362	0.153	0.196	0.072	0.29	288	276
2XWV/2XFY	4C X 150	18	1.40	0.5	4x0.8	2.50	2.04	1.88	46.3	42.6	7611	6517	0.124	0.159	0.072	0.29	324	318
2XWV/2XFY	4C X 185	30	1.60	0.5	4x0.8	2.50	2.20	2.04	51.5	47.8	9298	8079	0.0991	0.127	0.072	0.29	360	366
2XWV/2XFY	4C X 240	34	1.70	0.6	4x0.8	2.50	2.36	2.20	57.5	53.8	11794	10423	0.0754	0.0965	0.072	0.31	414	426
2XWV/2XFY	4C X 300	34	1.80	0.7	4x0.8	3.15	2.52	2.36	64.5	59.5	15019	12895	0.0601	0.0769	0.071	0.33	462	480
2XWV/2XFY	4C X 400	53	2.00	0.7	4x0.8	3.15	2.84	2.68	72.1	67.1	18752	16352	0.0470	0.0602	0.070	0.33	510	546

4 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)	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	4C X 16	6	0.70	0.3	1.80	21.0	843	1.15	1.47	0.080	0.36	92	79
2XY	4C X 25	6	0.90	0.3	2.00	22.4	1232	0.727	0.930	0.080	0.20	119	108
2XY	4C X 35	6	0.90	0.3	2.00	24.6	1620	0.524	0.671	0.080	0.23	144	132
2XY	4C X 50	6	1.00	0.3	2.00	27.8	2125	0.387	0.495	0.078	0.24	174	162
2XY	4C X 70	12	1.10	0.4	2.20	32.0	3000	0.268	0.343	0.077	0.26	210	198
2XY	4C X 95	15	1.10	0.4	2.20	35.5	4013	0.193	0.247	0.074	0.29	252	240
2XY	4C X 120	18	1.20	0.5	2.40	39.5	5043	0.153	0.196	0.072	0.29	288	276
2XY	4C X 150	18	1.40	0.5	2.60	43.0	6176	0.124	0.159	0.072	0.29	324	318
2XY	4C X 185	30	1.60	0.5	2.80	48.3	7701	0.0991	0.127	0.072	0.29	360	366
2XY	4C X 240	34	1.70	0.6	3.00	54.6	10037	0.0754	0.0965	0.072	0.31	414	426
2XY	4C X 300	34	1.80	0.7	3.20	60.6	12513	0.0601	0.0769	0.071	0.33	462	480
2XY	4C X 400	53	2.00	0.7	3.60	68.3	15945	0.0470	0.0602	0.070	0.33	510	546

NEOCAB CONTROL CABLES

NEOCAB Control cables includes a large family of cables manufactured to various Indian and international standards like IS, BS, EN, VDE, and other international Standards. Control cables are designed and installed for a wide range of application like industrial, signalling, transmission, measurement, control and regulation. These cables allow transmission of power at very low voltage to control the process or equipment.

Application

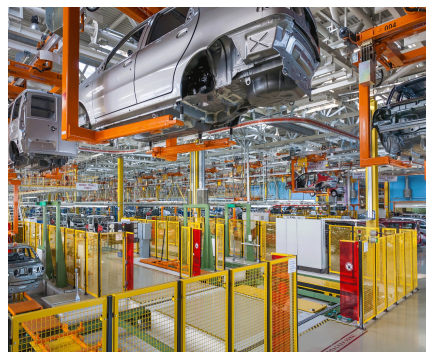
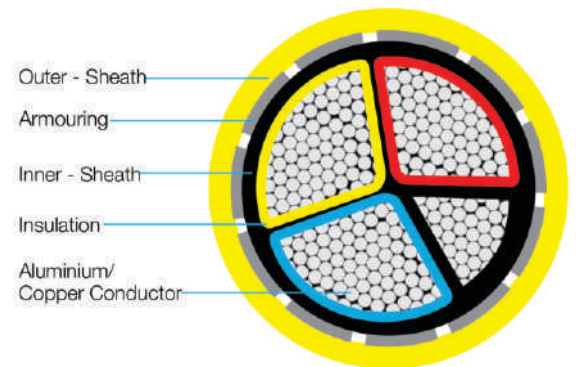
These control cables are mainly used in machinery, machine tools and appliances, measuring, control, heating and air conditioning technologies for permanent connections in cable chains, etc

Features

- Annealed Bare or Tinned Copper conductor, which may or may not be enveloped in galvanized steel braid.
- These cables can be manufactured as per any applicable standard depending upon client requirements
- Can be made with FR-PVC, FRLS-H or even Zero Halogen Low Smoke
- Also available with Chemical, Oil, Acid resistance variety.

Why Our Control Cables

Our halogen-free cables and wires are internationally certified and you can choose from our comprehensive range of standard products or can ask for cables /wires with special properties to meeting your requirement.



Armoured PVC Control Cable IS : 1554 (Pt - I) - 1988

No. of Cores & Cross Sectional Area NO x mm ²	Thickness of PVC Insulation (Nom.) mm	Thickness of Innersheath (min.) Extruded mm	STRIP ARMoured CABLE				WIRE ARMoured CABLE				Standard Delivery Length in Mtrs.	Current Rating	
			Strip Size mm	Thickness of PVC Outer sheath (Min) mm	Approx. OD mm	Approx. Net weight of Cable Kg / km	Round Wire Dia mm	Thickness of PVC Outer sheath (Min) mm	Approx. OD mm	Approx. Net Weight of Cable Kg / Km		Direct in Ground Amps	In Air/ Duct. Amps
2 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	13.6	415	1000	23	20
3 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	14.1	430	1000	21	17
4 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	15.0	490	1000	21	17
5 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	15.9	545	1000	16	14
6 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	16.9	605	1000	15	13
7 x 1.5	0.8	0.3	—	—	—	—	1.4	1.24	16.9	630	1000	14	13
10 x 1.5	0.8	0.3	—	—	—	—	1.4	1.40	20.6	835	1000	13	11
12 x 1.5	0.8	0.3	4 x 0.8	1.24	19.5	760	1.6	1.40	21.5	950	1000	12	10
14 x 1.5	0.8	0.3	4 x 0.8	1.40	20.8	830	1.6	1.40	22.4	1040	1000	11	10
16 x 1.5	0.8	0.3	4 x 0.8	1.40	21.7	920	1.6	1.40	23.3	1130	1000	11	9
19 x 1.5	0.8	0.3	4 x 0.8	1.40	23.1	1040	1.6	1.40	24.7	1265	1000	10	9
24 x 1.5	0.8	0.3	4 x 0.8	1.40	26.4	1250	1.6	1.40	28.0	1510	1000	9	8
27 x 1.5	0.8	0.3	4 x 0.8	1.40	26.9	1355	1.6	1.40	28.5	1610	1000	9	8
30 x 1.5	0.8	0.3	4 x 0.8	1.40	27.8	1430	1.6	1.40	29.4	1700	1000	9	7
37 x 1.5	0.8	0.3	4 x 0.8	1.40	29.7	1670	1.6	1.40	31.3	1960	1000	8	7
2 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	14.8	500	1000	32	27
3 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	15.4	520	1000	27	24
4 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	16.4	590	1000	27	24
5 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	17.5	660	1000	23	19
6 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	18.7	745	1000	21	18
7 x 2.5	0.9	0.3	—	—	—	—	1.4	1.24	18.7	780	1000	20	17
10 x 2.5	0.9	0.3	4 x 0.8	1.40	21.8	900	1.6	1.40	23.4	1110	1000	18	15
12 x 2.5	0.9	0.3	4 x 0.8	1.40	22.8	1020	1.6	1.40	24.4	1240	1000	17	14
14 x 2.5	0.9	0.3	4 x 0.8	1.40	23.8	1130	1.6	1.40	25.4	1340	1000	16	13
16 x 2.5	0.9	0.3	4 x 0.8	1.40	24.9	1210	1.6	1.40	26.5	1455	1000	15	13
19 x 2.5	0.9	0.3	4 x 0.8	1.40	26.1	1355	1.6	1.40	27.7	1605	1000	14	12
24 x 2.5	0.9	0.3	4 x 0.8	1.40	30.0	1655	1.6	1.56	32.0	1970	1000	13	11
27 x 2.5	0.9	0.3	4 x 0.8	1.40	30.6	1770	1.6	1.56	32.6	2100	1000	12	10
30 x 2.5	0.9	0.3	4 x 0.8	1.56	32.0	1940	1.6	1.56	33.6	2250	1000	12	10
37 x 2.5	0.9	0.4	4 x 0.8	1.56	34.7	2300	2.0	1.56	37.1	2900	1000	11	9

Construction

1. Solid / Stranded annealed copper conductor & Tinned / Bare
2. General Purpose / HR PVC insulation
3. Cores laid up (filled if needed)
4. FRLS / General Purpose PVC inner sheath
5. Armouring round Galvanised Steel wires / strips
6. FRLS / General purpose PVC Outersheath

Max. Conductor D.C. Resistance at

20 Deg C - Conductor Size :

- 1.5 sq.mm - 12.1 Ohm / km (Bare), 12.2 W / km (Tinned)
- 2.5 sq.mm - 7.41 Ohm / km (Bare), 7.56 W / km (Tinned)

* Dimensions specified are with stranded conductor.

Unarmoured PVC Control Cable IS : 1554 (Pt - I) - 1988

No. of Cores & Cross Sectional Area NO x mm ²	Thickness of PVC Insulation (Nom.) mm	Thickness of PVC Innersheath (min.) Extruded mm	Thickness of PVC Outersheath (Nom.) mm	Approx. O.D. mm	Approx. Net Weight of Cable Kg / Km	Standard Delivery Length in Mtrs.	Current Rating	
							Direct in Ground Amps.	In Air / Duct Amps.
2 x 1.5	0.8	0.3	1.8	11.8	185	1000	23	20
3 x 1.5	0.8	0.3	1.8	12.3	190	1000	21	17
4 x 1.5	0.8	0.3	1.8	13.2	225	1000	21	17
5 x 1.5	0.8	0.3	1.8	14.1	260	1000	16	14
6 x 1.5	0.8	0.3	1.8	15.1	295	1000	15	13
7 x 1.5	0.8	0.3	1.8	15.1	315	1000	14	13
10 x 1.5	0.8	0.3	1.8	18.4	425	1000	13	11
12 x 1.5	0.8	0.3	1.8	18.9	480	1000	12	10
14 x 1.5	0.8	0.3	1.8	19.8	535	1000	11	10
16 x 1.5	0.8	0.3	1.8	20.7	595	1000	11	9
19 x 1.5	0.8	0.3	2.0	22.5	720	1000	10	9
24 x 1.5	0.8	0.3	2.0	25.8	880	1000	9	8
27 x 1.5	0.8	0.3	2.0	26.3	960	1000	9	8
30 x 1.5	0.8	0.3	2.0	27.2	1040	1000	9	7
37 x 1.5	0.8	0.3	2.0	29.1	1230	1000	8	7
2 x 2.5	0.9	0.3	1.8	13.0	230	1000	32	27
3 x 2.5	0.9	0.3	1.8	13.6	240	1000	27	24
4 x 2.5	0.9	0.3	1.8	14.6	290	1000	27	24
5 x 2.5	0.9	0.3	1.8	15.7	335	1000	23	19
6 x 2.5	0.9	0.3	1.8	16.9	385	1000	21	18
7 x 2.5	0.9	0.3	1.8	16.9	420	1000	20	17
10 x 2.5	0.9	0.3	1.8	20.8	570	1000	18	15
12 x 2.5	0.9	0.3	2.0	22.2	690	1000	17	14
14 x 2.5	0.9	0.3	2.0	23.2	775	1000	16	13
16 x 2.5	0.9	0.3	2.0	24.3	860	1000	15	13
19 x 2.5	0.9	0.3	2.0	25.5	985	1000	14	12
24 x 2.5	0.9	0.3	2.0	29.4	1215	1000	13	11
27 x 2.5	0.9	0.3	2.0	30.0	1330	1000	12	10
30 x 2.5	0.9	0.3	2.0	31.0	1450	1000	12	10
37 x 2.5	0.9	0.4	2.2	34.1	1790	1000	11	9

Construction

1. Solid / Stranded annealed copper conductor & Tinned / Bare
2. General Purpose / HR PVC insulation
3. Cores laid up (filled if needed)
4. FRLS / General Purpose PVC inner sheath
5. FRLS / General purpose PVC Outersheath

**Max. Conductor D.C. Resistance at
20 Deg C - Conductor Size :**

- 1.5 sq.mm - 12.1 Ohm / km (Bare), 12.2 Ω / km (Tinned)
2.5 sq.mm - 7.41 Ohm / km (Bare), 7.56 Ω / km (Tinned)

* Dimensions specified are with stranded conductor.

NEOCAB®

Wires & Cables



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