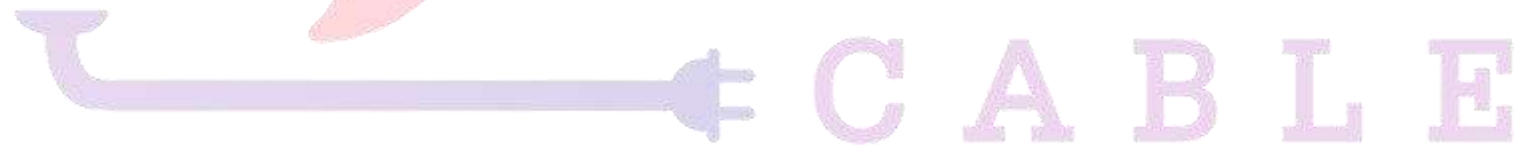




3.5 CORE ALUMINIUM PVC ARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	Nominal Dimension of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx.)		Approx. Net Wt. of Cable		Max. D.C. Resistance at 20	Max. A.C. Resistance at 70	Approx. Resistance at 50 Hz	Approx. Capacitance	CURRENT RATINGS		
					Strip (mm)	Wire (mm)	Strip Armour (mm)	Wire Armour (mm)	Strip Armour (mm)	Wire Armour (mm)	Strip Armour (Kg/Km)	Wire Armour (Kg/Km)	Ohms/Km	Ohms/Km	Ohms/Km	mFd/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



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3.5 CORE ALUMINIUM PVC UNARMoured POWER CABLES

Type	No. of cores & cross sectional area	Min. No of Wires	Thickness of PVC Insulation (Nom.)	Min. Thickness of PVC Inner Sheath	Nom. Thickness of Outer Sheath	Overall Diameter (Approx.)	Net Wt. of Cable (Approx.)	Max. D.C. Resistance at 20°C	Max. A.C. Resistance at 90°C	Approx. Resistance at 50 Hz	Approx. Capacitance	CURRENT RATINGS		
			(mm)	(mm)	(mm)	(mm)	(Kg/Km)	Ohms/Km	Ohms/Km	Ohms/Km	mFd/Km	Direct in Ground Amps	In Duct Amps	In Air Amps
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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
YYY	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

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