

PVC POWER CABLES WITH ALUMINUM CONDUCTOR (UNARMOURDED CABLES)																						
SR. NO.	NOMINAL CONDUCTOR		MINIMUM NOS OF		NOMINAL THICKNESS OF		MINIMUM THICKNESS OF				NOMINAL THICKNESS				APPROXIMATE OVERALL				APPROXIMATE WEIGHT OF			
	MAIN	NEUTR AL	MAIN	NEUTR AL	MAIN	NEUTR AL	NOS. OF CORES				NOS. OF CORES				NOS. OF CORES				NOS. OF CORES			
							2	3	3.5	4	2	3	3.5	4	2	3	3.5	4	2	3	3.5	4
1	4\$	-	1	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	14.3	15.0		16.1	232	256		298
	#		3	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	14.8	15.6		16.8	250	250		318
2	6\$	-	1	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	15.5	16.3		17.7	280	315		371
	#		3	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	16.3	17.2		18.5	305	340		400
3	10\$	-	1	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	16.8	17.8		19.2	307	360		425
	#		3	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	18.0	19.0		20.6	335	390		460
4	16\$	-	3	-	1	-	0.3	0.3		0.3	1.80	1.80		1.80	20.0	21.2		23.5	415	491		612
	#			-																		
5	25@	-	3		1.2		0.3	0.3		0.3	2.0	2.0		2.0	24.1	25.5		28	592	732		848
6	25@	16#	6	7	1.2	1.0	0.3	0.3	0.3	0.3	2.0	2.0	2.0	2.0	19.9	22.5	25.1	26.2	500	600	710	760
7	35@	16#	6	7	1.2	1.0	0.3	0.3	0.3	0.3	2.0	2.0	2.0	2.0	21.5	24.5	27	28.4	600	725	825	920
8	50@	25@	6	6	1.4	1.2	0.3	0.3	0.3	0.4	2.0	2.0	2.0	2.2	23.8	27.7	31	32.4	745	928	1070	1225
9	70@	35@	12	6	1.4	1.2	0.3	0.4	0.4	0.4	2.0	2.2	2.2	2.2	26.1	31	34.5	35.6	925	1210	1405	1540
10	95@	50@	15	6	1.6	1.4	0.4	0.4	0.4	0.4	2.2	2.2	2.2	2.4	30	34.8	38.6	40.3	1235	1550	1800	2020
11	120@	70@	15	12	1.6	1.4	0.4	0.4	0.5	0.5	2.2	2.2	2.4	2.4	32	37.2	42.2	43.4	1420	1790	2200	2375
12	150@	70@	15	12	1.8	1.4	0.4	0.5	0.5	0.5	2.4	2.4	2.4	2.6	35.4	41.6	46	47.9	1735	2230	2565	2900
13	185@	95@	30	15	2.0	1.6	0.5	0.5	0.5	0.6	2.4	2.6	2.6	2.8	39	45.7	50.8	52.4	2160	2770	3215	3615
14	240@	120@	30	15	2.2	1.6	0.5	0.6	0.6	0.6	2.6	2.8	3.0	3.0	44.6	51.4	57	59.2	2740	3475	4050	4530
15	300@	150@	30	15	2.4	1.8	0.6	0.6	0.6	0.7	2.8	3.0	3.2	3.4	48.1	56.5	62.6	64.7	3300	4235	4925	5560
16	400@	185@	53	30	2.6	2.0	0.7	0.7	0.7	0.7	3.2	3.4	3.4	3.6	54.2	64	70.3	72.3	4230	5450	6250	7040

- EXTRUDED PVC INNER SHEATH

- STANDARD DRUM LENGTH FOR ALL SIZES : 500 Mtrs. ± 5 %

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= SOLID CIRCULAR ALUMINIUM CONDUCTOR

= STRANDED CIRCULAR ALUMINIUM CONDUCTOR

= STRANDED SECTOR SHAPED ALUMINIUM CONDUCTOR

PVC POWER CABLES WITH ALUMINUM CONDUCTOR (ARMOURDED CABLES)																											
SR. NO.	NOMINAL CONDUCTOR		MINIMUM NOS OF		NOMINAL THICKNESS OF		MINIMUM THICKNESS OF				NOMINAL DIA / DIMENSIONS OF				NOMINAL THICKNESS				APPROXIMATE OVERALL				APPROXIMATE WEIGHT OF				
	MAIN	NEUTR AL	MAIN	NEUTR AL	MAIN	NEUTR AL	NOS. OF CORES				NOS. OF CORES				NOS. OF CORES				NOS. OF CORES				NOS. OF CORES				
							2	3	3.5	4	2	3	3.5	4	2	3	3.5	4	2	3	3.5	4	2	3	3.5	4	
1	25	16	6	7	1.2	1.0	0.3	0.3	0.3	0.3	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.40	1.40	1.40	1.40	20.5	23.1	25.7	26.8	710	830	975	1050	
2	35	16	6	7	1.2	1.0	0.3	0.3	0.3	0.3	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.40	1.40	1.40	1.40	22.1	25.1	27.6	29.0	825	995	1110	1225	
3	50	25	6	6	1.4	1.2	0.3	0.3	0.3	0.4	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.40	1.56	1.56	1.56	24.5	28.7	31.8	33.0	980	1255	1450	1580	
4	70	35	12	6	1.4	1.2	0.3	0.4	0.4	0.4	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.56	1.56	1.56	1.56	27.0	31.6	35.1	36.1	1230	1545	1780	1930	
5	95	50	15	6	1.6	1.4	0.4	0.4	0.4	0.4	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.56	1.56	1.56	1.72	30.6	35.3	39.2	40.8	1550	1920	2230	2460	
6	120	70	15	12	1.6	1.4	0.4	0.4	0.5	0.5	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.56	1.72	1.72	1.72	32.6	38.2	42.7	44.2	1750	2230	2655	2890	
7	150	70	15	12	1.8	1.4	0.4	0.5	0.5	0.5	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.72	1.88	1.88	1.88	35.9	42.4	46.9	48.3	2100	2725	3100	3400	
8	185	95	30	15	2.0	1.6	0.5	0.5	0.5	0.6	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	1.88	1.88	2.04	2.04	39.9	46.1	51.5	52.8	2615	3260	3800	4170	
9	240	120	30	15	2.2	1.6	0.5	0.6	0.6	0.6	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	2.04	2.20	2.20	2.36	45.4	52.1	57.3	59.9	3245	4050	4645	5190	
10	300	150	30	15	2.4	1.8	0.6	0.6	0.6	0.7	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	2.20	2.36	2.36	2.52	48.9	57.2	62.9	64.9	3840	4880	5565	6210	
11	400	185	53	30	2.6	2.0	0.7	0.7	0.7	0.7	4.0x0.8	4.0x0.8	4.0x0.8	4.0x0.8	2.36	2.52	2.68	2.84	54.5	64.2	70.8	72.8	4690	6100	7030	7825	
											(3.15)	(3.15)	(3.15)	(3.15)	(2.52)	(2.68)	(2.68)	(2.84)	(59.1)	(68.8)	(75.1)	(77.1)	(6685)	(8300)	(9390)	(10290)	

- EXTRUDED PVC INNER SHEATH

- STANDARD DRUM LENGTH FOR ALL SIZES : 500 Mtrs. ± 5 %

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= STRANDED CIRCULAR A

= STRANDED SECTOR SH

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= SOLID CIRCULAR ALUMINIUM CONDUCTOR

= STRANDED CIRCULAR ALUMINIUM CONDUCTOR

= STRANDED SECTOR SHAPED ALUMINIUM CONDUCTOR

PVC POWER CABLES WITH ALUMINUM CONDUCTOR (ARMOURED CABLES)																		
SR. NO.	NOMINAL CONDUCTOR AREA Sq.mm	MINIMUM NOS OF WIRES IN CONDUCTOR	THICKNESS OF INSULATION IN mm (NOMINAL)	MINIMUM THICKNESS OF INNER SHEATH IN mm			NOMINAL DIA./DIMENSION OF ARMOURING mm			MINIMUM THICKNESS OF OUTER SHEATH IN mm			APPROXIMATE OVERALL DIAMETER IN mm			APPROXIMATE WEIGHT OF CABLE IN Kgs./Km		
	MAIN	MAIN	2, 3 & 4 CORE	2	3	4	2	3	4	2	3	4	2	3	4	2	3	4
	** CABLES WITH EXTRUDED PVC INNER SHEATH																	
1	2.5 SOLID	1	0.9	0.3	0.3	0.3	1.4	1.4	1.4	1.24	1.24	1.24	14.2	14.7	15.7	390	435	465
2	4.0 SOLID	1	1.0	0.3	0.3	0.3	1.4	1.4	1.4	1.24	1.24	1.24	15.5	16.2	17.4	460	500	560
3	6.0 SOLID	1	1.0	0.3	0.3	0.3	1.4	1.4	1.4	1.24	1.24	1.24	16.8	17.5	18.8	530	575	655
4	10.0 SOLID	1	1.0	0.3	0.3	0.3	1.4	1.4	1.6	1.24	1.40	1.40	18.0	19.3	21.1	540	670	785
5	4.0 STRANDED	3	1.0	0.3	0.3	0.3	1.4	1.4	(4x0.8)			(1.40)			(19.5)			(620)
6	6.0 STRANDED	3	1.0	0.3	0.3	0.3	1.4	1.4	1.4	1.24	1.24	1.24	16.1	16.8	18.1	485	525	585
7	10.0 STRANDED	7	1.0	0.3	0.3	0.3	1.4	1.4	1.6	1.24	1.40	1.40	19.2	20.6	22.6	620	725	855

									(4x0.8)			(1.40)			(21.7)			(705)
8	16.0 STRANDED	7	1.0	0.3	0.3	0.3	1.6	1.6	1.6	1.40	1.40	1.40	21.8	22.9	24.8	810	920	1055
							(4x0.8)	(4x0.8)	(4x0.8)	(1.40)	(1.40)	(1.40)	(20.6)	(21.7)	(24.2)	(635)	(735)	(865)
9	25.0 STRANDED	7	1.2	0.3	0.3	0.3	1.6	1.6	1.6	1.40	1.40	1.40	26.0	27.5	29.3	1176	1330	1390
							(4x0.8)	(4x0.8)	(4x0.8)	(1.40)	(1.40)	(1.40)	(24.3)	(25.7)	(28)	(830)	(965)	(1180)
**CABLES WITH WRAPPED THERMOPLASTIC INNER SHEATH																		
10	10.0 SOLID	1	1.0	0.3	0.3	0.3	1.4	1.4	1.6	1.24	1.40	1.40	17.50	18.7	20.6	565	635	750
									(4x0.8)			(1.40)			(19.5)			(595)
11	10 STRANDED	7	1.0	0.3	0.3	0.3	1.4	1.4	1.6	1.24	1.40	1.40	19.20	20.0	22.0	585	690	830
									(4x0.8)			(1.40)			(20.8)			(635)
12	16.0 STRANDED	7	1.0	0.3	0.3	0.3	1.6	1.6	1.6	1.40	1.40	1.40	21.80	22.4	24.3	760	885	1015
							(4x0.8)	(4x0.8)	(4x0.8)	(1.40)	(1.40)	(1.40)	(20.0)	(21.2)	(23.0)	(615)	(690)	(820)
13	25.0 STRANDED	7	1.2	0.3	0.3	0.3	1.6	1.6	1.6	1.40	1.40	1.40	25.40	26.3	28.7	960	1155	1340
							(4x0.8)	(4x0.8)	(4x0.8)	(1.40)	(1.40)	(1.40)	(23.8)	(25.1)	(27.5)	(790)	(1030)	(1100)

- STANDARD DRUM LENGTH FOR ALL SIZES : 500 Mtrs. ± 5 %
- VALUES WRITTEN IN BRACKET ARE FOR FLAT STRIP ARMoured CABLES