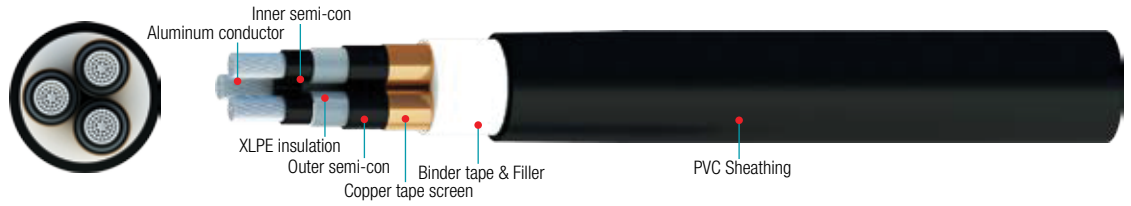


6/10 (12) kV



**Single & Three Cores Aluminum Conductors  
XLPE Insulated and PVC Sheathed**

**Description**

- Stranded circular compacted Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen. Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with binder tape and PVC sheathed.
- Cables are produced according to IEC 60502 or BS 6622.

**Application**

- These cables are generally suitable for direct burial or for installation on trays or in ducts.

Product-Code	Nominal Cross Sectional Area mm <sup>2</sup>	Max. Conductor Resistance		Operating capacitance µ f/km	Inductance		Current Rating				Approx. Overall Diameter mm	Approx Weight kg / km	
		DC at 20 °C Ω/km	AC at 90 °C Ω/km		Operating capacitance µ f/km	Trefoil	Flat	Laid in Ground		Laid in free Air			
						⊗	○○	⊗	○○	⊗			○○
<b>Single Core Cable</b>													
A18X501UP	50	0.6410	0.8220	0.251	0.393	0.578	153	160	162	198	22.4	610	
A19X501UP	70	0.4430	0.5681	0.291	0.370	0.554	188	196	204	248	24.0	715	
A20X501UP	95	0.3200	0.4105	0.316	0.357	0.542	222	233	246	299	25.5	815	
A21X501UP	120	0.253.0	0.3247	0.345	0.344	0.529	254	265	284	346	26.9	915	
A22X501UP	150	0.2060	0.2645	0.374	0.336	0.521	283	295	324	391	28.7	1115	
A23X501UP	185	0.1640	0.2107	0.409	0.322	0.507	321	333	373	449	30.4	1250	
A24X501UP	240	0.1250	0.1610	0.456	0.310	0.494	372	385	443	530	32.9	1475	
A25X501UP	300	0.1000	0.1291	0.512	0.301	0.487	421	433	511	608	35.5	1700	
A26X501UP	400	0.0778	0.1009	0.565	0.292	0.477	478	483	593	693	38.6	2120	
A27X501UP	500	0.0605	0.0791	0.635	0.282	0.467	544	545	693	802	42.2	2505	
A28X501UP	630	0.0469	0.0621	0.704	0.275	0.460	612	617	803	921	45.8	3000	
A29X501UP	800	0.0367	0.0495	0.795	0.268	0.453	715	786	954	1188	50.8	3670	
<b>Three Core Cables</b>													
A18X503UP	50	0.6410	0.8220	0.251	0.351	-	153	-	160	-	42.9	1800	
A19X503UP	70	0.4430	0.5683	0.291	0.330	-	187	-	200	-	46.5	2100	
A20X503UP	95	0.3200	0.4107	0.316	0.316	-	222	-	240	-	50.0	2440	
A21X503UP	120	0.253.0	0.3250	0.345	0.309	-	253	-	277	-	53.2	2780	
A22X503UP	150	0.2060	0.2649	0.374	0.302	-	283	-	314	-	56.9	3280	
A23X503UP	185	0.1640	0.2114	0.409	0.290	-	320	-	361	-	60.9	3790	
A24X503UP	240	0.1250	0.1618	0.456	0.280	-	371	-	427	-	66.1	4555	
A25X503UP	300	0.1000	0.1302	0.512	0.271	-	420	-	491	-	71.3	5360	

This data is applicable for 6.35 / 11 KV cables  
 The ampacity for single core sizes 800 mm<sup>2</sup> was based on a single end bonding  
 The above data is approximate and subjected to manufacturing tolerance.

