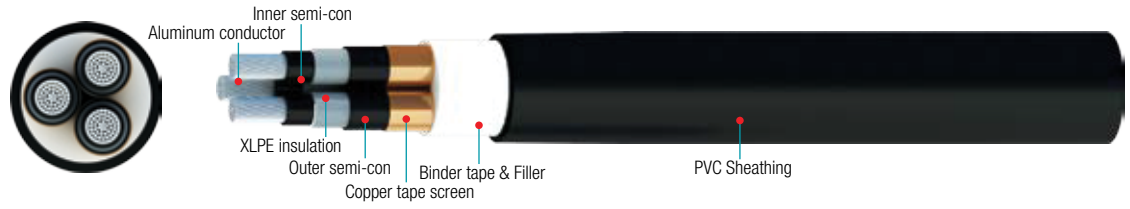


12/20 (24) kV



**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	Max. Conductor Resistance		Operating capacitance	Inductance		Current Rating				Approx. Overall Diameter	Approx Weight
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free Air			
	mm <sup>2</sup>	Ω/km	Ω/km	µf/km	mH/km	mH/km	A	A	A	A	mm	kg / km
<b>Single Core Cable</b>												
A18X701UP	50	0.6410	0.8220	0.177	0.428	0.613	153	160	162	198	26.6	775
A19X701UP	70	0.4430	0.5681	0.202	0.403	0.588	188	196	204	248	28.4	890
A20X701UP	95	0.3200	0.4105	0.217	0.389	0.573	222	233	246	299	29.9	1000
A21X701UP	120	0.2530	0.3247	0.236	0.376	0.561	254	265	284	346	31.5	1125
A22X701UP	150	0.2060	0.2645	0.254	0.365	0.550	283	295	324	391	33.1	1320
A23X701UP	185	0.1640	0.2107	0.276	0.350	0.535	321	333	373	449	35.0	1475
A24X701UP	240	0.1250	0.1610	0.305	0.335	0.520	372	385	443	530	37.3	1700
A25X701UP	300	0.1000	0.1291	0.340	0.325	0.510	421	433	511	608	39.9	1945
A26X701UP	400	0.0778	0.1009	0.373	0.313	0.498	478	483	593	693	43.0	2390
A27X701UP	500	0.0605	0.0791	0.417	0.302	0.487	544	545	693	802	46.6	2800
A28X701UP	630	0.0469	0.0621	0.460	0.293	0.478	612	617	803	921	50.2	3325
A29X701UP	800	0.0367	0.0495	0.516	0.285	0.470	715	786	954	1188	55.4	4060
<b>Three Core Cable</b>												
A18X703UP	50	0.6410	0.8220	0.177	0.394	-	153	-	160	-	52.0	2295
A19X703UP	70	0.4430	0.5683	0.202	0.370	-	187	-	200	-	55.6	2650
A20X703UP	95	0.3200	0.4107	0.217	0.357	-	222	-	240	-	59.1	3060
A21X703UP	120	0.2530	0.3250	0.236	0.345	-	253	-	277	-	62.3	3470
A22X703UP	150	0.2060	0.2649	0.254	0.336	-	283	-	314	-	65.9	4025
A23X703UP	185	0.1640	0.2114	0.276	0.321	-	320	-	361	-	70.0	4605
A24X703UP	240	0.1250	0.1618	0.305	0.308	-	371	-	427	-	75.2	5420
A25X703UP	300	0.1000	0.1302	0.340	0.299	-	420	-	491	-	80.3	6175

This data is applicable for 12.7 / 22 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.

