

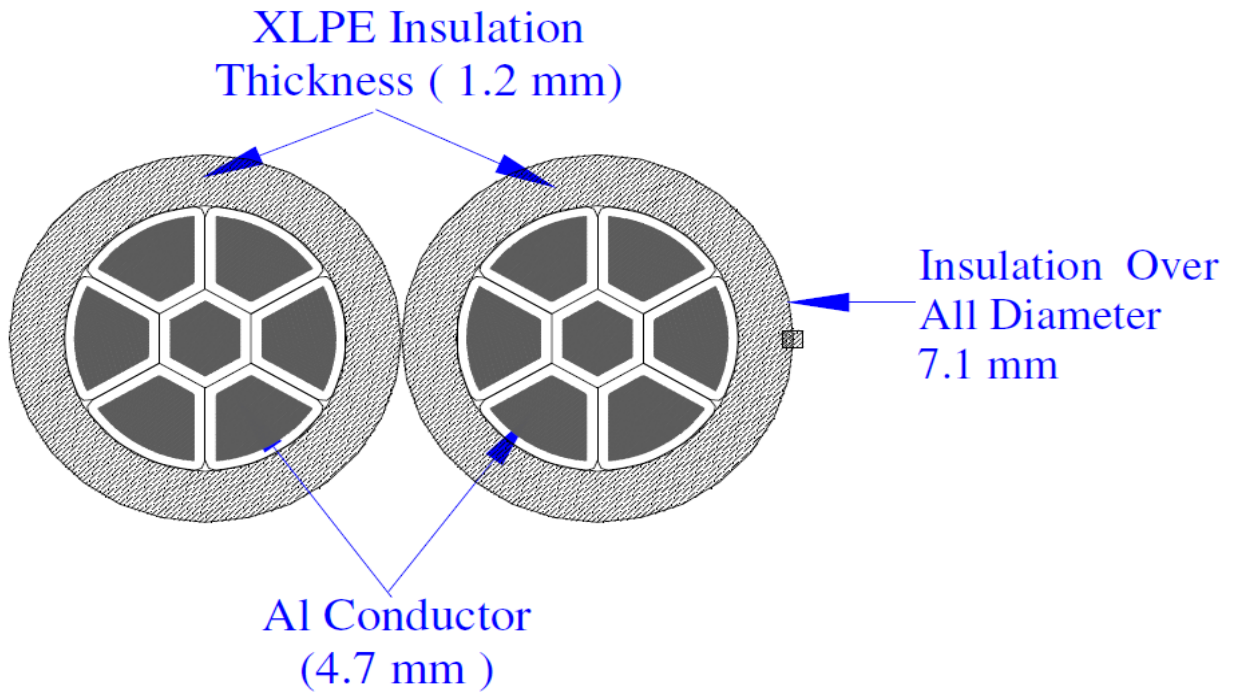
# Allied Export

Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at [mail@alliedexport.co.uk](mailto:mail@alliedexport.co.uk)

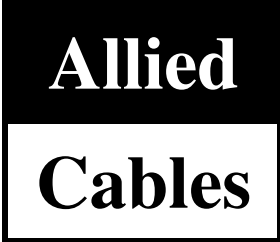
**16 x 2 Core AL/XLPE Aerial Bundled Conductor****General**

1	Manufacturers name & address	→	Allied Cables Ltd
2	Normal working or design voltage	→	600/1000v
3	Type of cable	→	AL/XLPE ABC
4	Sectional area of conductor	→	16 mm
5	Number and diameter of wires of conductor	→	7/1.70 No/mm
6	Shape of the Conductor	→	Circular compacted
7	Average thickness of insulation at one point	→	1.2 mm
8	Minimum thickness at one point	→	0.98 mm
9	Composition of insulation	→	XLPE
10	External diameter of a single core	max	→ 7.8 mm
		min	→ 7 mm
11	Nominal weight per meter of completed cable	→	0.1301 kg
12	Manufacturing Length	→	1000 Foot
13	Maximum d.c resistance of conductor per1000m of cable at 20°C	→	1.91 Ω/km
14	Maximum a.c resistance of conductor per1000m of cable at 20°C	→	2.42 Ω/km
15	Maximum continuous current carrying capacity per conductor in air	→	76 A
16	Maximum conductor working temperature	→	90 °C
17	Breaking Load	→	190 daN
18	Modulus of elasticity	→	56000.0 Mpa
19	Coefficient of linear expansion	→	23 x 10 <sup>-6</sup> °C
20	Marking system used	→	Phase = One Ridge, Neutral = Plain
21	Embossing in neutral core	→	ACL 2X16SQMM ABC
22	Is Cable resistant to ultra violet radiation	→	YES
23	Specifications Reference	→	NFC 33-209:1966

**R.A Arunajith Perera**  
**Electrical Engineer**  
**Technical Services Department**  
**ACL**



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<b>Allied Cables Ltd</b>		Allied Works, Liverpool Road, Warrington, Cheshire WA5 1AP	
<b>2 x 16mm AL/XLPE Aerial Bundled Conductor</b>			
<b>Item Code: N - 1</b>			
Checked: Eng EX		Approved: EE(TSD)	
Date:	10-Feb-18	Scale:	not to scale