

Allied Export

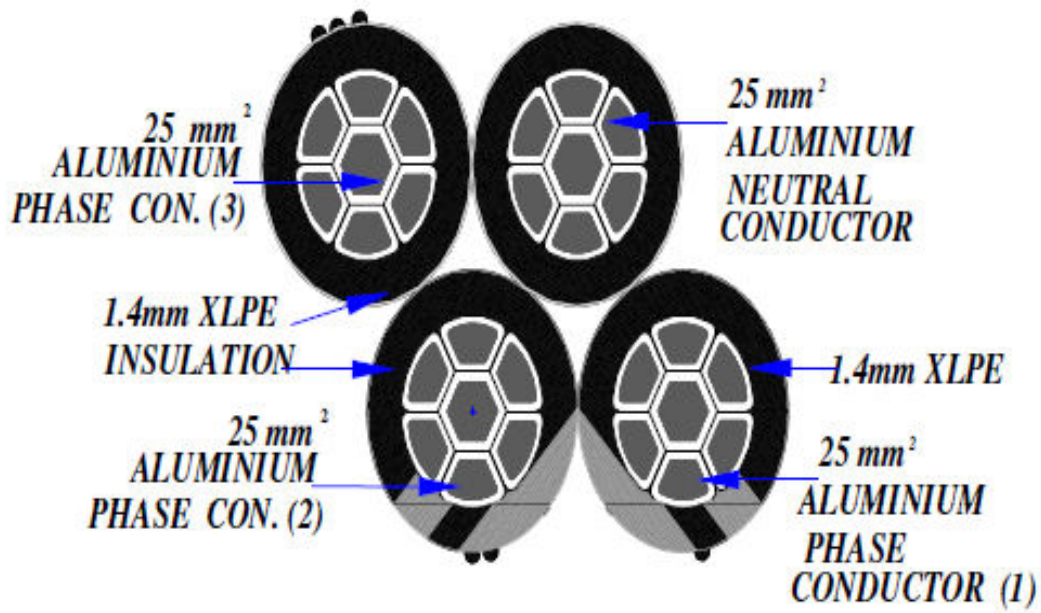
Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at mail@alliedexport.co.uk

TECHNICAL SPECIFICATION
For 4x 25 mm² Aerial Bundled Conductors

1 NAME OF MANUFACTURER	→		
2 COUNTRY OF MANUFACTURE	→		
3 APPLICABLE STANDARDS	→	NFC 33-209 : 1996	
4 TYPE OF CONDUCTOR			
I. PHASE CONDUCTORS	→	Aluminium Stranded Compacted	
II. NEUTRAL MESSENGER	→	Aluminium Stranded Compacted	
5 NUMBER OF STRANDS IN			
I. PHASE CONDUCTORS	→	7	
II. NEUTRAL MESSENGER	→	7	
6 NOMINAL CROSS - SECTIONAL AREA OF ;			
I. PHASE CONDUCTORS	→	25 mm ²	
II. NEUTRAL MESSENGER	→	25 mm ²	
7 MAX. LINEAR RESISTANCE OF CONDUCTOR AT 20⁰ C FOR ;			
I. PHASE CONDUCTORS	→	1.20 ohm / km	
II. NEUTRAL MESSENGER	→	1.20 ohm / km	
8 MINIMUM BREAKING STRENGTH OF ;			
I. PHASE CONDUCTORS	→	300 daN	
II. NEUTRAL MESSENGER	→	300 daN	
9 DIAMETER OF BARE CONDUCTORS			
I. PHASE CONDUCTORS	(max.) →	6.3 mm	
	(min.) →	5.8 mm	
II. NEUTRAL MESSENGER	(max.) →	6.3 mm	
	(min.) →	5.8 mm	
10 THICKNESS OF INSULATING SHEATH			
I. PHASE CONDUCTORS	(avg.) →	1.4 mm	
	(min.) →	1.16 mm at 1 point	
II. NEUTRAL MESSENGER	(avg.) →	1.4 mm	
	(min.) →	1.16 mm at 1 point	
11 INSULATED CABLE OUT SIDE DIAMETER			
I. PHASE CONDUCTORS	(max.) →	9.4 mm	
	(min.) →	8.6 mm	
II. NEUTRAL MESSENGER	(max.) →	9.4 mm	<i>Cond.</i>
	(min.) →	8.6 mm	
12 CO-EFFICIENT OF LINEAR EXPANSION			
I. AL CONDUCTORS	→	23 x 10 ⁻⁶ per ⁰ C	
13 LAY DIRECTION			
I. COMPLETE CABLE	→	RIGHT	
14 MAXIMUM LAY PITCH			
I. COMPLETE CABLE	→	450 mm	
15 MODULES OF ELASTICITY			
I. ALUMINIUM CONDUCTOR	→	56000 Mpa	
16 CORE IDENTIFICATION			
PHASE CONDUCTORS	→	ONE,TWO & THREE LONGITUDINAL RIDGES	
NEUTRAL CONDUCTOR	→	PLAIN	
17 EMBOSSING			
NEUTRAL CONDUCTOR	→	MANUFACTURER NAME	

ALLIED CABLES LTD

ACL(C) : QF:02:06:04



**Allied
Cables**

4x 25 mm²

Aerial Bundle Cable

ITEM CODE : N - 7

CHECKED : Eng.Ex APPROVED : EE(TSD)

DATE : 11-Jun-14 SCALE : not to scale