

Allied Export

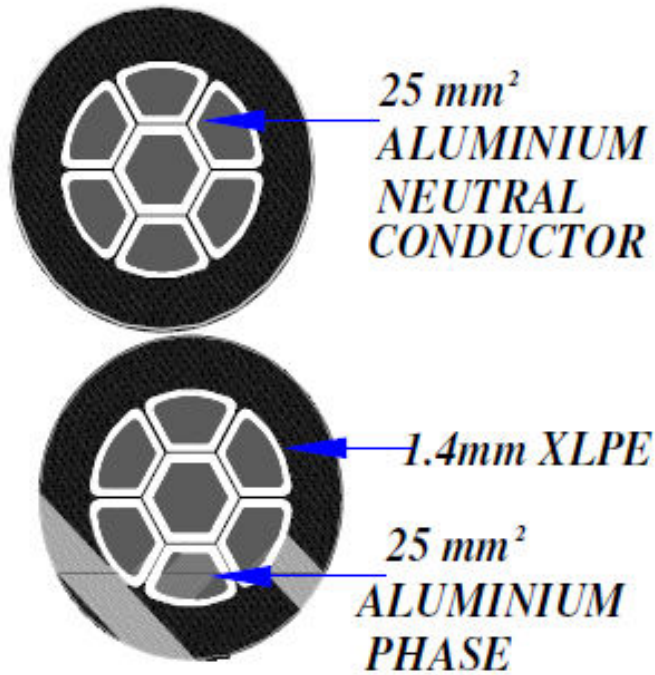
Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at mail@alliedexport.co.uk

TECHNICAL SPECIFICATION
For 2x 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
	(min.) →	8.6 mm
		<i>Cond.</i>
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 LONGITUDINAL RIDGE
NEUTRAL CONDUCTOR	→	PLAIN
17 EMBOSSING		
NEUTRAL CONDUCTOR	→	MANUFACTURER NAME

ALLIED CABLES LTD

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



Allied
Cables

2x 25 mm²

Aerial Bundle Cable

ITEM CODE : N-5

CHECKED : Eng.Ex

APPROVED :

EE(TSD)

DATE : 11-Jun-14

SCALE :

not to scale