



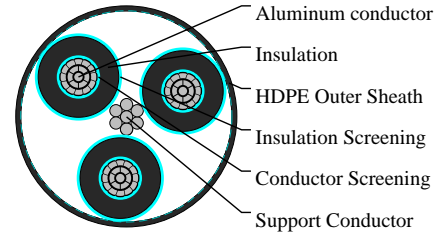
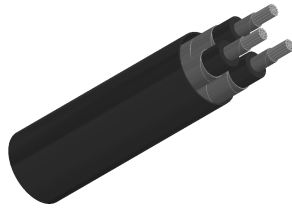
# Caledonian

Aluminium Conductor Cables

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## 12.7/22kV Non Screened ABC –Aerial Bundled Cables to AS/NZS 3599.1(AL/XLPE/HDPE) 3C50



### APPLICATIONS

Three XLPE insulated cores are bundled around the AAAC/1120 support conductor in a right hand lay.

### STANDARDS

AS/NZS 3599.1

### CABLE CONSTRUCTION

Phase Conductor: Circular compacted stranded H68 aluminium to BS2627.

Conductor Screen: Extruded semi-conductive layer.

Insulation: XLPE.

Insulation Screen: Extruded semi-conductive layer.

Outer Sheath: HDPE.

Support Conductor: Aluminium alloy conductor (AAAC/1120).

Assembly: Three XLPE insulated cores are bundled around the AAAC/1120 support conductor in a right hand lay.

### DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Diameter	Nominal Insulation Thickness	Nominal Insulation Screen Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Cable Weight	AAAC/1120 Support Conductor Size	Continuous Current Rating (Still air)	Continuous Current Rating (1m/s wind)	Continuous Current Rating (2m/s wind)
No. × mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km	no./mm	A	A	A
3x50	8.1	5.5	0.8	1.2	63.3	1970	7/4.75	130	185	220