



Caledonian

Aluminium Conductor Cables

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1kV Screened ABC –Aerial Bundled Cables to AS/NZS 3599.1 (AL/XLPE /CWS/HDPE) 3C120

Heavy Duty Screen



APPLICATIONS

Three XLPE insulated screened cores are bundled around the galvanized steel wires 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.

Metallic Screen: Copper wire screen.

Separator: Semi-conductive swellable tape.

Outer Sheath: HDPE.

Support Conductor: Galvanized steel wires.

Assembly: Three XLPE insulated screened cores are bundled around the galvanized steel wires in a right hand lay.

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	Conductor Diameter	Nominal Insulation Thickness	Nominal Insulation Screen Thickness	No. of Diamter of Screened Wires	Nominal Sheath Thickness	Galvanizer Steel Wire Stranding	Approx. Overall Diameter	Cable Weight	Continuous Current Rating (Still air)	Continuous Current Rating (1m/s wind)	Continuous Current Rating (2m/s wind)
No. × mm ²	mm	mm	mm	no × mm	mm	no./mm	mm	kg/km	A	A	A
3x120	12.8	3.4	0.8	39/1.35	1.8	19/2	71.8	4320	205	300	355