



Caledonian

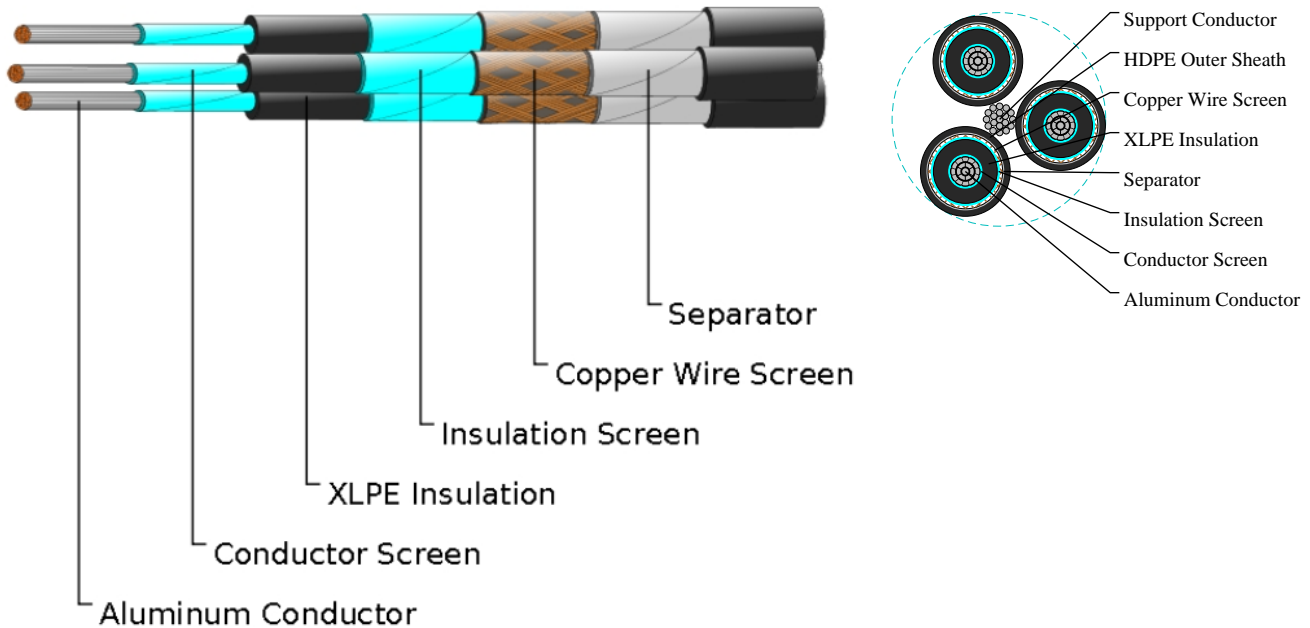
Aluminium Conductor Cables

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

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-	Conductor Diameter	Nominal Insulation Thickness	Nominal Insulation	No. of Diamter of	Nominal Sheath Thickness	Galvanize Steel	Approx. Overall Diameter	Cable Weight	Continuous Current	Continuous Current Rating	Continuous Current Rating
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sectional Area			Screen Thickness	Screened Wires		Wire Stranding			Rating (Still air)	(1m/ s wind)	(2m/ s wind)
No.×mm ²	mm	mm	mm	no x mm	mm	no./mm	mm	kg/km	A	A	A
3x50	8.1	5.5	0.8	23/1.35	1.8	19/2	71	3300	125	170	200