



Caledonian

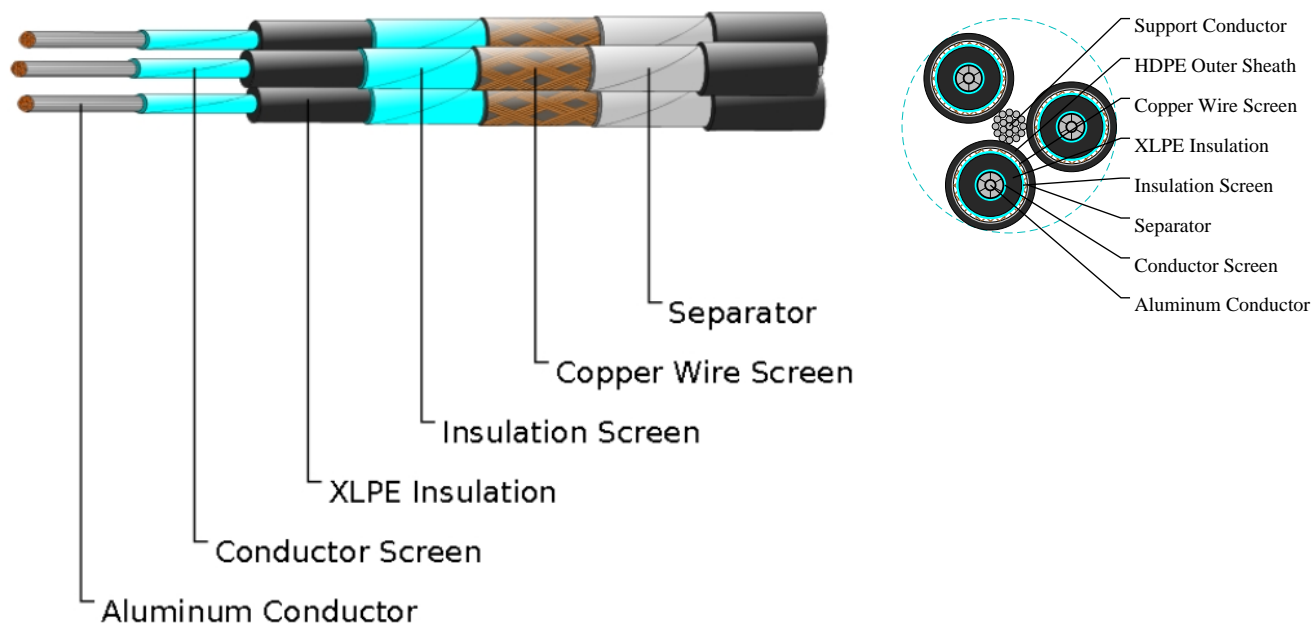
Aluminium Conductor Cables

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12.7/22kV Screened ABC –Aerial Bundled Cables to AS/NZS 3599.1 (AL/XLPE /CWS/HDPE) 3C35

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 Screen Thickness	No. of Diamter of	Nominal Sheath Thickness	Galvanizer Steel Wire Stranding	Approx. Overall Diameter	Cable Weight	Continuous Current Rating (Still air)	Continuous Current Rating	Continuous Current Rating
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sectional Area				Screened Wires						(1m/ s wind)	(2m/ s wind)
No.×mm ²	mm	mm	mm	no x mm	mm	no./mm	mm	kg/km	A	A	A
3x35	6.9	5.5	0.8	40/0.85	1.8	19/2	66.7	2810	105	145	165