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Aluminium Conductor Cables

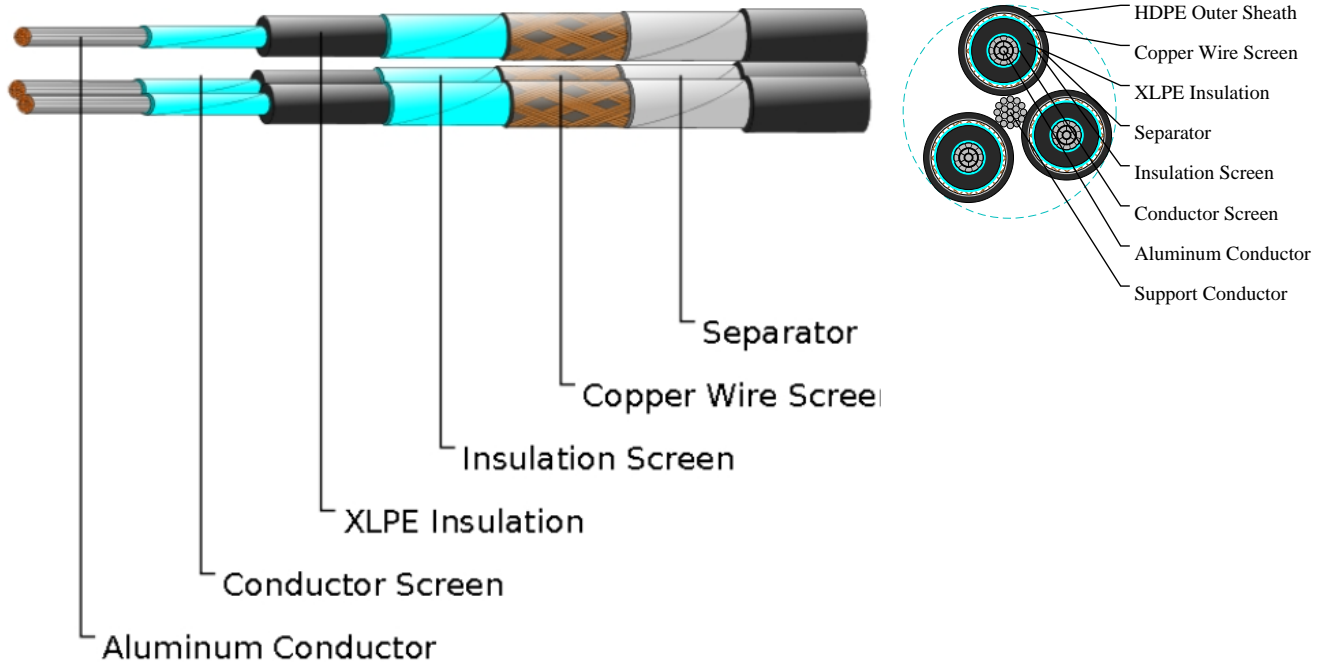
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MV Aerial Bundled Conductor (ABC) Cables

AS/NZS 3599 Part 1 12.7/22 kV AL/XLPE/CWS/HDPE Screened Cables

Light Duty Screen 3C50



APPLICATIONS

Aerial bundled cables are mainly used for secondary overhead lines on poles or as feeders to residential premises.

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 or copper tape 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



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No. of Cores × Cross-sectional Area	Conductor Diameter	Nominal Insulation Thickness	Nominal Insulation Screen Thickness	No. of Diameter of Screened Wires	Nominal Sheath Thickness	Galvanize 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
3x50	8.1	5.5	0.8	25/0.85	1.8	19/2	69	2780	125	170	200