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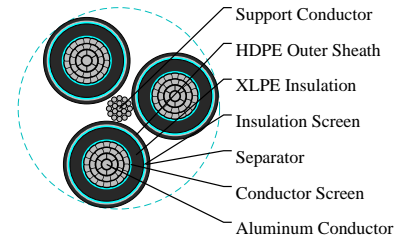
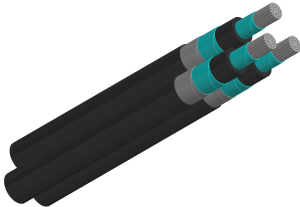
Aluminium Conductor Cables

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MV Aerial Bundled Conductor (ABC) Cables

AS/NZS 3599 Part 1 12.7/22 kV AL/XLPE /HDPE Non-screened Cables 3C185



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.

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	Nominal Sheath Thickness	Galvanized 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	mm	no./mm	mm	kg/km	A	A	A
3x185	15.7	5.5	0.8	1.2	19/3.5	81.7	3760	265	390	450