



Caledonian

Aluminium Conductor Cables

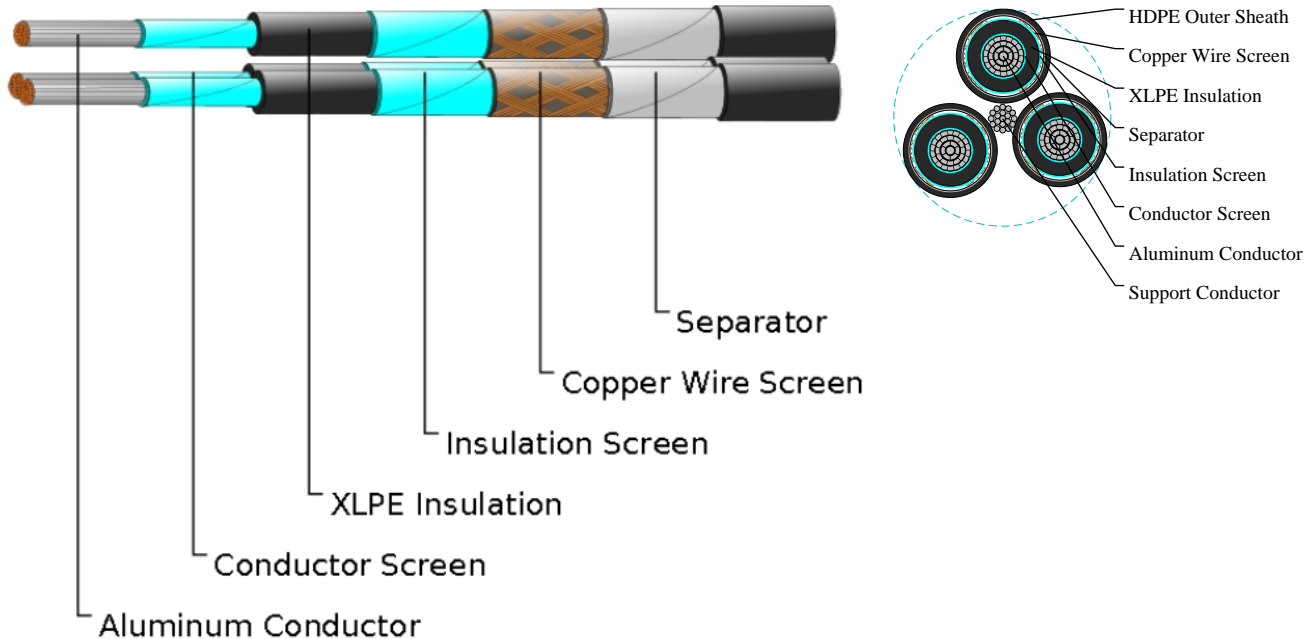
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MV Aerial Bundled Conductor (ABC) Cables

AS/NZS 3599 Part 1 6.35/11 kV AL/XLPE/CWS/HDPE Screened Cables

Heavy Duty Screen 3C120



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 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 |
| 3x120 | 12.8 | 3.4 | 0.8 | 39/1.35 | 1.8 | 19/2 | 71.8 | 4320 | 205 | 300 | 350 |