



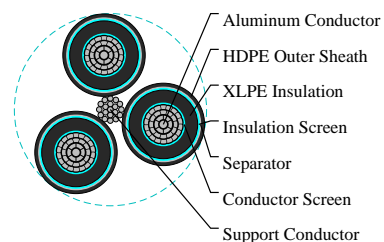
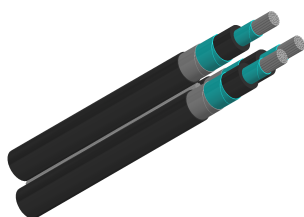
Caledonian

Aluminium Conductor Cables

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6.35/11kV Non Screened ABC –Aerial Bundled Cables to AS/NZS 3599.1(AL/XLPE/HDPE) 3C120



APPLICATIONS

Three XLPE insulated cores are bundled around the AAAC/1120 support conductor 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.

Separator: Semi-conductive swellable tape.

Outer Sheath: HDPE.

Support Conductor: Aluminium alloy conductor (AAAC/1120).

Assembly: Three XLPE insulated cores are bundled around the AAAC/1120 support conductor 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 | Approx. Overall Diameter | Cable Weight | AAAC/1120 Support Conductor Size | Continuous Current Rating (Still air) | Continuous Current Rating (1m/s wind) | Continuous Current Rating (2m/s wind) |
|-------------------------------------|--------------------|------------------------------|-------------------------------------|--------------------------|--------------------------|--------------|----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| No. × mm ² | mm | mm | mm | mm | mm | kg/km | no./mm | A | A | A |
| 3x120 | 12.8 | 3.4 | 0.8 | 1.2 | 67.3 | 2540 | 19/3.5 | 230 | 335 | 405 |