



Caledonian

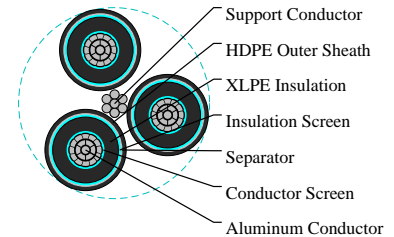
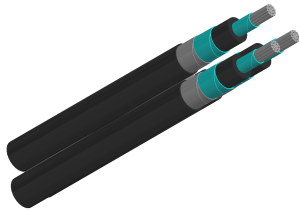
Aluminium Conductor Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

MV Aerial Bundled Conductor (ABC) Cables

IEC 60502 19/33 kV ABC for Overhead Distribution Lines 3C70+1C50



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	Nominal Cross-sectional Area	No./Nominal Diameter of Strands	Max. Conductor Resistance	Messenger Suspension Unit Stranding	Messenger Suspension Unit Nominal Sectional Area	Messenger Suspension Unit Breaking Load	Continuous current rating at 300C ambient temp
No.×mm ²	mm ²	no./mm	Ω/km	No.×mm	mm ²	kN	A
3x70+1x50	70	19/2.14	0.443	7/3.15	50	62	250