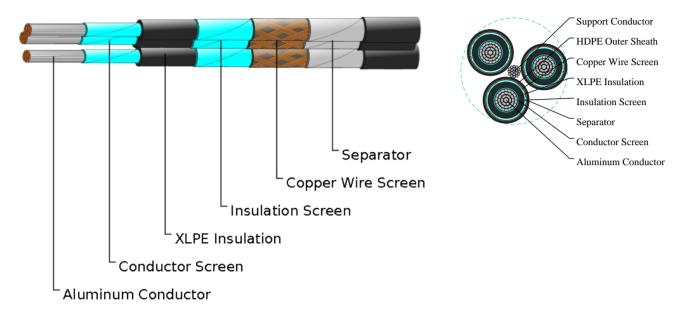


## Caledonian

Aluminium Conductor Cables www.caledonian-cables.com marketing@caledonian-cables.com

#### 12.7/22kV Screened ABC –Aerial Bundled Cables to AS/NZS 3599.1 (AL/XLPE /CWS/HDPE) 3C185

#### Heavy Duty Screen



#### **APPLICATIONS**

Three XLPE insulated screened cores are bundled around the galvanized steel wires 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.

Metallic Screen:Copper wire 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

| No. of  | Conducto | Nominal    | Nominal    | No.     | Nomina    | Galvanize | Approx.  | Cable ( | Continuo    | Continuo | Continuou |
|---------|----------|------------|------------|---------|-----------|-----------|----------|---------|-------------|----------|-----------|
| Cores × | Diameter | Insulation | Insulation | Diamter | Sheath    | Steel     | Overall  | Weight  | Current     | Current  | Current   |
| Cross-  | -        | Thickness  | Screen     | of      | Thickness | Wire      | Diameter |         | Rating      | Rating   | Rating    |
|         |          |            | Thickness  |         |           | Stranding | 9        |         | (Still air) |          |           |



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| sectional<br>Area |      |     |    | Screened<br>Wires |     |        |      |       |     | (1m/<br>s wind) | (2m/<br>s wind) |
|-------------------|------|-----|----|-------------------|-----|--------|------|-------|-----|-----------------|-----------------|
| No.×mm²           | mm   | mm  | mm | no x<br>mm        | mm  | no./mm | mm   | kg/km | A   | A               | A               |
| 3x185             | 15.7 | 5.5 | 1  | 39/1.35           | 2.1 | 19/2   | 88.2 | 5790  | 265 | 390             | 450             |