



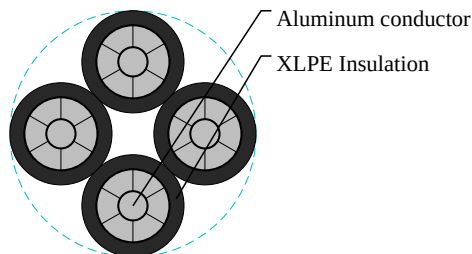
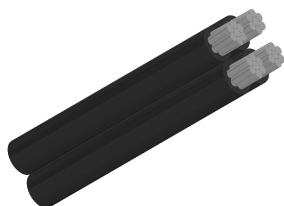
# Caledonian

Aluminium Conductor Cables

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## 600/1000V ABC –Aerial Bundled Cables to HD 626 S1 (AL/XLPE) 4C35



### APPLICATIONS

The aerial bundled cables designed for fixed installation as overhead power lines up to 1000 V incl.

### STANDARDS

HD 626 S1

### CABLE CONSTRUCTION

Conductor: Aluminium conductor, round stranded compressed (RM)

Insulation: XLPE

### PHYSICAL AND THERMAL PROPERTIES

Rated voltage: 0.6/1 kV

Test voltage: 4/50 V<sub>eff</sub> kV/Hz

Laying temperature: min. -20 °C

Operating temperature: -30 bis ~ +80 °C

Conductor temperature: max. +80 °C

Short-circuit temperature: max. +130 /5 °C/s

Bending radius (min.): 18 ×  $\phi$  of cable

### DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | Approx. Overall<br>Diameter | Cable Weight | max. conductor<br>resistance | min. breaking<br>load of<br>conductor strand | Current rating<br>in the air |
|--------------------------------------------|-----------------------------|--------------|------------------------------|----------------------------------------------|------------------------------|
| No. × mm <sup>2</sup>                      | mm                          | kg/km        | Ω/km                         | kN                                           | A                            |
| 4x35 RM                                    | 24.1                        | 553          | 0.868                        | 5.5                                          | 132                          |