



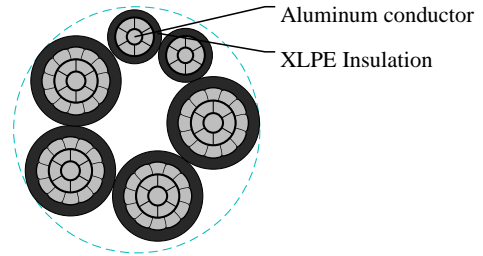
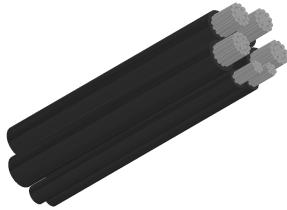
Caledonian

Aluminium Conductor Cables

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600/1000V ABC –Aerial Bundled Cables to NFC 33-209 (AL/XLPE) 1C54.6+3C50+2C16



APPLICATIONS

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

STANDARDS

NFC 33-209

CABLE CONSTRUCTION

Phase Conductor:Aluminium conductor, round stranded compressed (RM).

Neutral Conductor:Alloy aluminium conductor (AlMgSi), round stranded compressed (RM).

Insulation:XLPE. Load-bearing / neutral core – marked with standard and producers phase core – marked with digits 1, 2, 3.

Assembly:Cores and the neutral, conductor stranded together in right-hand lay, additionally 1, 2 or 3 cores of reduced cross section can be co-stranded.

PHYSICAL AND THERMAL PROPERTIES

Rated voltage:0.6/1 kV

Test voltage:4/50 Veff kV/Hz

Laying temperature:min. -5 °C

Operating temperature:-30 ~ +90 °C

Conductor temperature:max. +90 °C

Short-circuit temperature:max. +250 /5 °C/s

Bending radius (min.):20 × o of cable

DIMENSION AND PARAMETERS

| No. of Cores × Cross- sectional Area | Approx. Overall Diameter | Cable Weight | max. conductor resistance | min. breaking load of conductor strand | Current rating in the air |
|--|-----------------------------|--------------|------------------------------|--|------------------------------|
| No. ×mm ² | mm | kg/km | Ω/km | kN | A |
| 1x54.6 RM+3x50 RM+2x16 RM | 28.6 | 875 | 0.63/0.641/1.91 | 7.6/2.3 | 165/72 |