



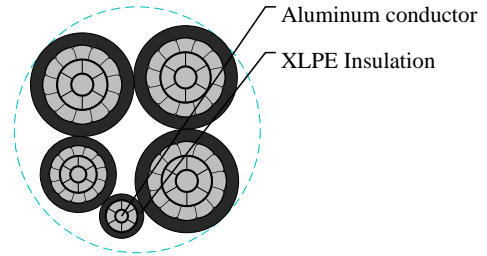
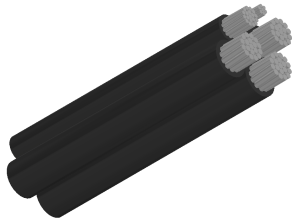
Caledonian

Aluminium Conductor Cables

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600/1000V ABC –Aerial Bundled Cables to NFC 33-209 (AL/XLPE) 1C54.6+3C95+1C16



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 V_{eff} 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+3x95 RM+1x16 RM | 41.9 | 1243 | 0.63/0.32/1.91 | 13.5/2.3 | 240/72 |