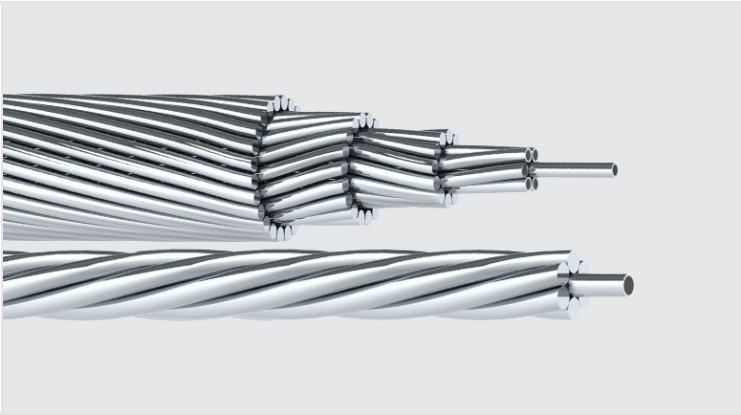


ICAL-CAA/RA - ALUMINUM CONDUCTORS WITH ALUMINUM CLAD STEEL CORE (ACSR/AW)

ICAL-397,5-CHICKADEE

Description

ACSR/AW is suitable for energy transmission in urban and rural overhead lines. The CAA/RA aluminum cable is an aluminum conductor, alloy 1350 (H19 temper) stranded (class 2), concentric with an aluminum coated steel core ALUMOSTEEL, which ensures greater mechanical performance compared to bare aluminum cables and higher resistance to corrosion compared to cables with zinc plated steel core.



Datasheet

|                                            |           |
|--------------------------------------------|-----------|
| International Code                         | Chickadee |
| Cross Section (AWG/MCM)                    | 397,5     |
| Area                                       |           |
| Al (mm²)                                   | 200,900   |
| Steel (mm²)                                | 11,200    |
| Total (mm²)                                | 212,100   |
| Formation                                  |           |
| Al (wires/Ø)                               | 18 x 3,77 |
| Steel (wires/Ømm)                          | 1 x 3,77  |
| Nominal Diameter of Steel Core (mm)        | -         |
| Nominal Diameter of Cable (mm)             | 18,85     |
| Nominal Mass                               |           |
| Al (kg/km)                                 | 554,00    |
| Steel (kg/km)                              | 74,00     |
| Total (kg/km)                              | 627,00    |
| Breaking Load (kN / kgf)                   | 43,40     |
| Maximum Resistance to 20°C in DC (ohms/km) | 0,1408    |
| Modulus of Elasticity to 20°C Final (Mpa)  | -         |
| Coef. of Linear Thermal Expansion (1/°C)   | -         |
| Ampacity (A)                               | -         |
| Characteristics of Aluminum Wires          |           |
| Nominal Cross Section (mm²)                | -         |
| Minimum Conductivity (%IACS)               | -         |

|                                                |   |
|------------------------------------------------|---|
| Average Tensile Strength - Min. (MPa)          | - |
| Average Elongation to Breaking - Min (%)       | - |
| <b>Characteristics of Aluminum-Steel Wires</b> |   |
| Nominal Cross Section (mm²)                    | - |
| Minimum Conductivity - 20°C (%IACS)            | - |
| Maximum Resistivity - 20°C (ohms.mm²/km)       | - |
| Average Tensile Strength - Min. (MPa)          | - |
| Tensile Strength at 1% elongation (MPa)        | - |
| Average Elongation to Breaking - Min (%)       | - |
| <b>Package</b>                                 |   |
| Reel Type                                      | - |
| Nominal Length (m)                             | - |
| Net Weight per Reel (kg)                       | - |
| Gross Weight per Reel With Packing (kg)        | - |