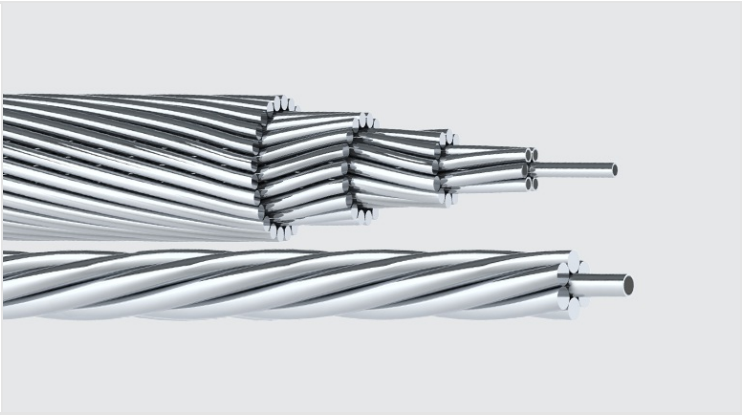
ICAL-CAA/RA - ALUMINIUM CONDUCTORS WITH ALUMINIUM CLAD STEEL CORE (ACSR/AW)

ICAL-795,0-CAA/RA-CONDOR

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	Condor
Cross Section (AWG/MCM)	795
Area	
Al (mm²)	402,330
Aço (mm²)	52,150
Total (mm²)	454,480
Formation	
Al (fios/Ømm)	54 x 3,08
Aço (fios/Ømm)	7 x 3,08
Nominal Diameter of Steel Core (mm)	
Nominal Diameter of Cable (mm)	27,74
Nominal Mass	
Al (kg/km)	1115
Aço (kg/km)	345
Total (kg/km)	1460
Breaking Load (kN / kgf)	123,40
Maximum Resistance to 20°C in DC (ohms/km)	0,0699
Modulus of Elasticity to 20ºC Final (Mpa)	
Coef. of Linear Thermal Expansion (1/°C)	
Ampacity (A)	
Characteristics of Aluminium Wires	
Seção Nominal (mm²)	
Condutividade Mínima (%IACS)	

Resistência à Tração Média - Mín. (MPa)	
Along. à Ruptura Média Mín. (%)	
Characteristics of Aluminium-Steel Wires	
Seção Nominal (mm²)	
Condutividade Mínima - 20°C (%IACS)	
Resistividade Máxima - 20°C (ohms.mm²/km)	
Resist. à Tração Média - Mín. (MPa)	
Resist. à Tração a 1% de Alongamento (MPa)	
Along. à Ruptura Média Mín. (%)	
Package	
Tipo de Bobina	
Lance Nominal (m)	
Massa Líq. por Bobina (kg)	
Massa Bruta da Bobina com Fechamento (kg)	