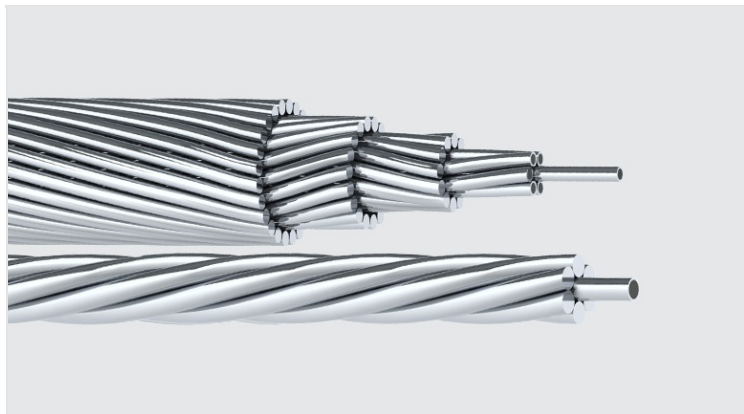


ICAL-CAA/RA - ALUMINIUM CONDUCTORS WITH ALUMINIUM CLAD STEEL CORE (ACSR/AW)

ICAL-795,0-CAA/RA-TERN

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	Tern
Cross Section (AWG/MCM)	795
Area	
Al (mm ²)	403,770
Aço (mm ²)	27,830
Total (mm ²)	431,600
Formation	
Al (fios/Ømm)	45 x 3,38
Aço (fios/Ømm)	7 x 2,25
Nominal Diameter of Steel Core (mm)	
Nominal Diameter of Cable (mm)	27,03
Nominal Mass	
Al (kg/km)	1119
Aço (kg/km)	184
Total (kg/km)	1303
Breaking Load (kN / kgf)	95,42
Maximum Resistance to 20°C in DC (ohms/km)	0,0701
Modulus of Elasticity to 20°C Final (Mpa)	
Coef. of Linear Thermal Expansion (1/°C)	
Ampacity (A)	
Characteristics of Aluminium Wires	
Seção Nominal (mm ²)	
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)