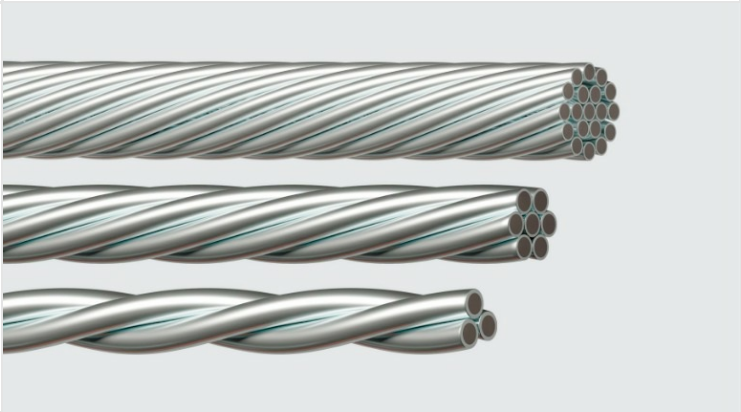
CAS - ALUMOSTEEL WIRE ROPES

CAS-1-37F

Description

Made of aluminum-clad steel conductors, ALUMOSTEEL stranded conductor offers a technological solution for stay in power distribution and transmission lines, messenger and neutral for spacer power distribution lines (protected compact), messenger for telephony, rural electrification and lightning cable.

In relation to hot dip galvanized steel, ALUMOSTEEL stranded conductor has greater resistance to corrosion, protective aluminum layer in microns greater than a class 2 or B zinc plating, higher conductivity (13% IACS versus 8% IACS), less weight per kilometer (on average 8%), equivalent mechanical resistance, price per kilo equivalent and the same fittings.



Datasheet

Diameter (inches)	1
Wire Rope Characteristics	
Nominal Diameter (mm)	25,40
Qty. Of Wires	37
Diameter of Wires (mm)	3,63
Mechanical Characteristics	
Minimum Aluminum Layer (µm)	87
Aluminum Area (%)	10
Steel Area (%)	90
Nominal Weight (kg/km)	2815
Elastic Modulus (GPa)	187
Coef. of Linear Thermal Expansion (1/°C)	1,22 E-5
Minimum Braking Load	
SM (daN)	-
HS (daN)	32960
EHS (daN)	46860
Package	
Reel Type	-
Nominal Length (m)	-
Net Weight per Reel (kg)	-

Gross Weight per Reel With Packing (kg)	-