

PRODUCT SPECIFICATION

EPA05371

PURPOSE

ACSR cable for aerial power lines

CONSTRUCTION/TESTING STANDARD

EN 50182:2001

CABLE CODE

According to EN 50182: **80-AL1/13-ST1A**

Old code: **FA 50 6-1**

CABLE FORMATION

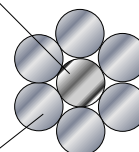
The cable is formed by a central galvanized steel wire, and a layer of six hard drawn aluminum wires, helically stranded in right direction (Z).

DELIVERY LENGTHS

In modular lengths to be agreed with Customer.

ACSR 80-AL1/13-ST1A

Steel wire Ø 4,11 mm



Aluminium wire Ø 4,11 mm

Cross section drawing

Steel wire	Zinc coated according to EN 50189, grade and class designated ST1A.
Aluminium wire	Hard drawn according to EN 60889, designated AL1.

CHARACTERISTICS

N° of wires x Steel wire diameter (mm)	1 x 4,11
N° of wires x Aluminum wire diameter (mm)	6 x 4,11
Steel cross section (mm ²)	13,3
Aluminum cross section (mm ²)	79,6
Cable total cross section (mm ²)	92,9
Cable weight (kg/km)	321,5
Overall cable outer diameter (mm)	12,3
Breaking load (kN)	27,33
DC conductor resistance, at 20°C (Ω/km)	0,3600

Ahlsell's article number (stock number)	2801002
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