

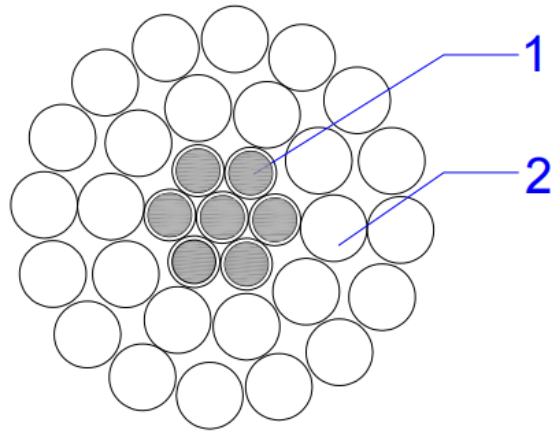
TECHNICAL SPECIFICATION

ITEM 1

DESCRIPTION:

Aluminum Conductor Aluminum Clad Steel Reinforced -ACSR/AS 795 kcmil, Code name: DRAKE/AS , Standard: CFE E1000-18; ASTM B 549-10

STRUCTURE DRAWING:



ACSR/AS 795 kcmil

1. Aluminum Clad Steel Wire
2. Aluminum wire(1350-H19)

TECHNICAL PARTICULARS:

No.	Item	Unit	Technical Parameters
1	Manufacturer		
2	Product description		Aluminum Conductor Aluminum Clad Steel Reinforced Cable
3	Standard		ASTM B 232
4	Size	kcmil	795
5	Code name		DRAKE/AS
6	Cross-section area(approx.)		
	Aluminum	mm ²	402.8
	Aluminum Clad Steel	mm ²	65.6
	Total	mm ²	468.4
7	No.&diameter of wire		
	Aluminum	No./mm	26/4.44±0.04
	Aluminum Clad Steel	No./mm	7/3.45±0.05
8	Overall diameter(approx.)	mm	28.11±0.3
9	Weight of non-greased conductor(approx.)	Kg/km	1549
10	Rated strength	kN	136
11	Max. DC resistance at 20°C of conductor	Ω/km	0.068
12	Modulus Elasticity Final	MPa	78200
13	Coefficient of Linear Expansion, β,	1/°C	21.5 x 10 ⁻⁶
14	Properties of Aluminum Wire (Before Stranding)		
	Diameter and tolerance	mm	4.44±0.04
	Min. tensile strength	MPa	165
	Max. resistivity at 20°C	Ω·mm ² /m	0.028265
15	Properties of Aluminum Clad Steel wire (Before stranding)		
	Diameter and tolerance	mm	3.45±0.05
	Min. tensile strength	MPa	1310
	Min. tension at 1% elongation	MPa	1172
	Min elongation at 250 mm	%	1.5