

COMMODITY CABLES, INC.

Technical sheet

Specification : 4AWG ACSR (SWANATE)

Standard : ASTM, B230M-99,

Nominal Dia. : AL 7/1.96+GA 1/2.61

B231M-99, B232M-01, B498-99

Dimension & Physical Properties:

Date: June.30, 2011

AAC Single wire:		
Test Item	Unit	Spec. Value
Appearance	--	Good
Diameter	mm	7/1.96±1%
Area	mm ²	21.16
Elongation at 254 mm	%	Avg.1.6
		Min.1.4
Tensile Strength	MPA	Avg.195
		Min. 185
Resistivity at 20°C	Ω mm ² /m	Avg. 0.028172
		Min. 0.028265
Bending test		ID×8 turns Not crack
GA Single Wire:		
Appearance	--	Good
Diameter	mm	1/2.61(-0.05+0.05)
Stress at 1% extension	MPA	Min.1280
Tensile Strength	MPA	Min.1410
Elongation at 254 mm	%	Min.3.5
Wrap test		2Dx8 turns not fracture
Finished product:		
Appearance	--	Good
Overall Diameter	mm	6.53
Layer Direction (Outer Layer)		Z
Rated tensile strength	daN	1053
Unit Weight	kg/km	100±2%
D.C.Resistance	Ω /km-20°C	Max.1.3557