



Technical Datasheet

Description:	Aluminum Conductor Steel Reinforced 397,5 kcmil Chickadee				Code:	-
Client:	Costumer Standard	Espec. / Rev.:	-	-	Date:	03/01/2023

Item	Description	Unit	Characteristic
1	General characteristics		
	a) Standard	-	ASTM B232
	b) Type of Cable	-	ACSR
	c) Material	-	Al 1350 / Zinc-Coated Steel
	d) Cross section	kcmil	397,5
	e) Number of wires	-	18/1
	f) Code word	-	Chickadee
2	Aluminum 1350 wires - Characteristics		
	a) Nominal diameter	in	0,1486
	b) Temper	-	H19
	c) Tensile strength - minimum average for a lot	ksi	24,5
	d) Tensile strength - minimum individual tests	ksi	23,5
	e) Elongation in 10 in - minimum average for a lot	%	1,9
	f) Conductivity at 20°C	% IACS	61,2
3	Zinc-Coated Steel Core - Characteristics		
	a) Nominal diameter	in	0,1486
	b) Class	-	A
	c) Stress at 1% Extension, minimum	ksi	170
	d) Ultimate Tensile Strength, minimum	ksi	200
	e) Elongation, minimum	%	4,0
4	Complete cable - characteristics		
	a) Nominal diameter	in	0,7430
	b) Direction of the outer layer	-	Right-hand
	c) Linear mass - Total	lb per 1000 ft	431,0
	d) Maximum DC Eletrical resistance at 20°C	ohm per 1000 ft	0,0432
	e) Rated strength	kips	9,9
5	Shipping / Packaging		
	a) Length and tolerance	ft	4815 ±5%
	b) Type of reel	-	NR 48.28 CL 2
	c) Packaging material	-	Wooden Reel
	d) Wood treatment	-	CCB / NINF-15
	e) Net weight	lb	2075
	f) Gross weight	lb	2337
	g) Shipping volume	ft³	49,4

Issuer:	PRODUCT ENGINEERING DEPARTMENT	DS N°:	-
		Elaborated by:	TN 
		Approved by:	RF 