

Description:	Alluminum Conductor Steel Reinforced 4/0 AWG Penguin				Code:	-
Client:	Customer Standard	Espec. / Rev.:	-	-	Date:	10/10/2022

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	AWG	4/0
	e) Number of wires	-	6/1
	f) Code word	-	Penguin
2	1350 Aluminum wires - Characteristics		
	a) Nominal diameter	in	0,188
	b) Temper	-	H19
	c) Tensile strength - minimum average for a lot	ksi	23,9
	d) Tensile strength - minimum individual	ksi	23,1
	e) Elongation - minimum average for a lot	%	2,1
	f) Conductivity at 20°C	% IACS	61
	g) Electrical volume resistivity at 20°C	Ω.cmil/ft	17,001
3	Zinc Coated Steel Core - Characteristics		
	a) Nominal diameter	in	0,188
	b) Class	-	A
	c) Stress at 1% Extension, minimum	ksi	169,7
	d) Ultimate Tensile strength - minimum	ksi	200,1
	e) Elongation, minimum	%	4,0
4	Complete cable - characteristics		
	a) Nominal diameter	in	0,563
	b) Direction of the outer layer	-	Right-hand
	d) Linear mass - total	lb per 1000 ft	291,1
	e) Maximum DC Eleltrical resistance at 20°C	ohm per 1000 ft	0,0815
	f) Rated strength	kips	8,3
5	Shipping / Packaging		
	a) Length and tolerance	ft	6080 ±5%
	c) Type of wooden reel	-	NR 42.28
	d) Packaging material	-	Wooden Reel
	e) Wood treatment	-	-
	f) Net Weight	lb	1770
	g) Gross Weight	lb	1975
	h) Shipping volume	ft³	14,4

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