

Technical Datasheet

Description:	Aluminum Conductor Steel Reinforced 2 AWG Sparrow				Code:	-
Client:	Customer Standard	Spec. / Rev.:	-	-	Date:	25/02/2025

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	2,0
	e) Number of wires	-	6/1
2	f) Code word	-	Sparrow
	Aluminum 1350 wires - Characteristics		
	a) Nominal diameter	in	0,1052
	b) Temper	-	H19
	c) Tensile strength - minimum average for a lot	ksi	26,0
	d) Tensile strength - minimum individual tests	ksi	24,5
	e) Elongation in 10 in - minimum average for a lot	%	1,6
	f) Conductivity at 20°C	% IACS	61,2
3	g) Electrical resistivity at 20°C	Ω.cmil/ft	16,946
	Zinc-Coated Steel Core - Characteristics		
	a) Nominal diameter	in	0,1052
	b) Class	-	A
	c) Stress at 1% Extension, minimum	ksi	185
	d) Ultimate Tensile Strength, minimum	ksi	205
4	e) Elongation, minimum	%	3,5
	Complete cable - characteristics		
	a) Nominal diameter	in	0,3156
	b) Direction of the outer layer	-	Right-hand
	c) Linear mass - Total	lb per 1000 ft	91,2
	d) Calculated DC Electrical resistance at 20°C	ohm per 1000 ft	0,2531
5	e) Rated strength	kips	2,8
	Shipping / Packaging		
	a) Length and tolerance	ft	9695 ±5%
	b) Type of reel	-	NR 36.22 - 18 NEMA CLASS 2
	c) Packaging material	-	Wooden Reel
	d) Net weight	lb	885
	e) Gross weight	lb	1029
	f) Shipping volume	ft³	22,2

Issuer:	PRODUCT ENGINEERING DEPARTMENT	DS N°:	-
		Elaborated by:	AC 
		Approved by:	TF 