



## 250 Semi-rigid Coax Cable (by foot) with Tinned Aluminum Outer Conductor

### RF Cables Technical Data Sheet

**PE-SR401AL-STR-BULK**

#### Configuration

- Semi-Rigid Cable
- 1 Shield(s)

#### Features

- Supplied in 5 foot maximum straight lengths

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			7,500	Vrms
Corona Discharge at 60 Hz			3,000	Vrms

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.4	1	5	10	18	GHz
Attenuation, Typ	4.5	7.5	22	33	48	dB/100ft dB/100m
	14.76	24.61	72.18	108.27	157.48	
Input Power (CW), Max	962	661	265	174	100	Watts

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.75 in [19.05 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, Strand	0.064 in [1.63 mm]
Conductor Type	Solid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 Semi-rigid Coax Cable \(by foot\) with Tinned Aluminum Outer Conductor PE-SR401AL-STR-BULK](#)



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Dielectric	PTFE	0.209 in [5.31 mm]
Outer Conductor	Aluminum, Tin MIL-T-10727	0 in [0 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +100 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

250 Semi-rigid Coax Cable (by foot) with Tinned Aluminum Outer Conductor from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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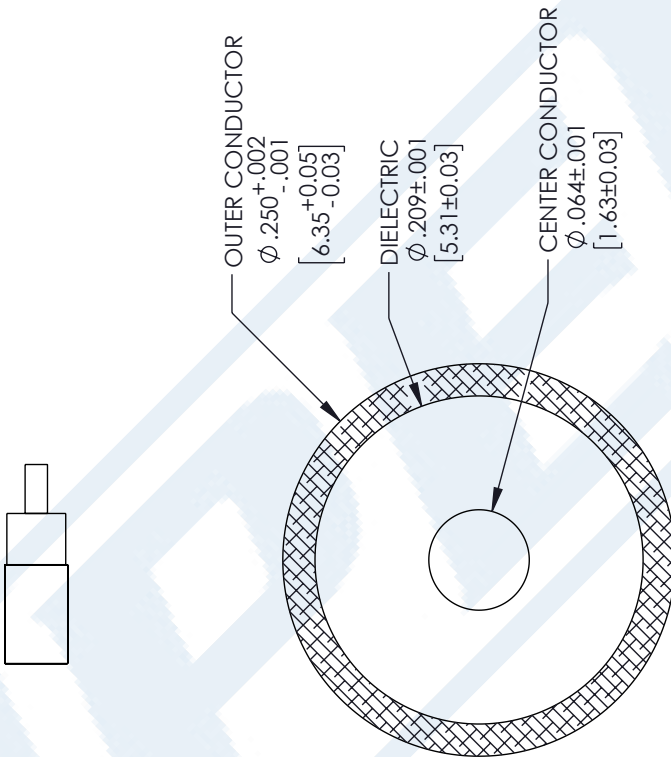
URL: <https://www.pasternack.com/semirigid-pe-sr401al-coax-cable-tin-plated-aluminum-straight-pe-sr401al-str-bulk-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE-SR401AL-STR-BULK CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	03/07/2022	AGANWANI



UNLESS OTHERWISE SPECIFIED  
 LEADING DIMENSIONS ARE INCHES  
 DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X = ±.2 [ .008]    FRACTIONS ± 1/32  
 .XX = ±.02 [ .51]    ANGLES ± 1°  
 .XXX = ±.005 [ .13]  
 CABLE LENGTH (L), TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN  
 ARE FOR REFERENCE ONLY.

**PE PASTERNAK**  
 an INFINITI brand

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SIZE A    CAGE CODE 53919    DRAWN BY DZINN    ITEM NO. PE-SR401AL-STR-BULK

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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