



## RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

### RF Cables Technical Data Sheet

**PE-SR405TN-BULK**

#### Configuration

- Semi-Rigid Cable
- MIL-C-17
- 1 Shield(s)

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 40      | GHz   |
| Impedance       |         | 50      |         | Ohms  |

#### Performance by Frequency Band

| Description           | F1    | F2     | F3    | F4 | F5 | Units    |
|-----------------------|-------|--------|-------|----|----|----------|
| Frequency             | 1     | 10     | 20    |    |    | GHz      |
| Attenuation, Typ      | 22    | 80     | 120   |    |    | dB/100ft |
|                       | 72.18 | 262.47 | 393.7 |    |    | dB/100m  |
| Input Power (CW), Max | 130   | 35     | 20    |    |    | Watts    |

#### Mechanical Specifications

Min. Bend Radius (Installation) 0.05 in [1.27 mm]

#### Construction Specifications

| Description     | Material and Plating                | Diameter           |
|-----------------|-------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strand | 0.02 in [0.51 mm]  |
| Conductor Type  | Solid                               |                    |
| Dielectric      | PTFE                                | 0.066 in [1.68 mm] |
| First Shield    | Tinned Copper                       | 0.087 in [2.21 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN-BULK](#)



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#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

RG405 Tinned Coax Cable with Tinned Copper 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG405 Tinned Coax Cable with Tinned Copper Outer Conductor PE-SR405TN-BULK](#)

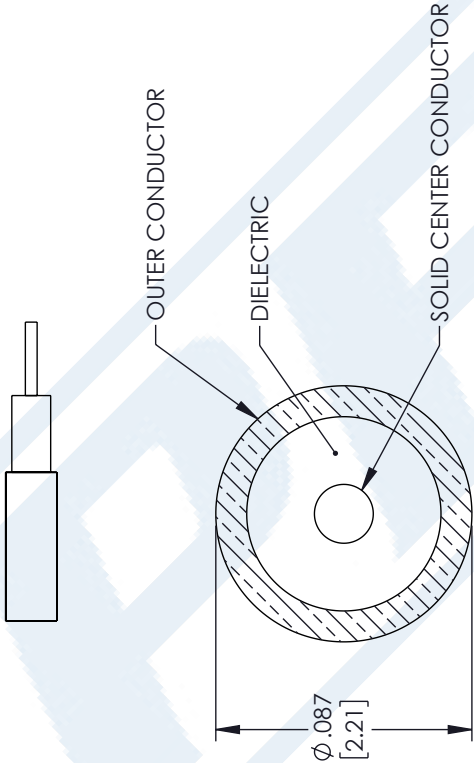
URL: <https://www.pasternack.com/50-ohm-semi-rigid-rg405-tinned-tinned-copper-pe-sr405tn-bulk-p.aspx>

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-SR405TN-BULK CAD Drawing

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor

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



|                                                                                                                                        |                    |                                                                                                                                                                                                                                                                                    |                             |                                                                                                                                                                                                                                                                                                                     |  |                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS                                       |                    | TOLERANCES:                                                                                                                                                                                                                                                                        |                             | X = ± .2 [ .008 ]<br>.XX = ± .02 [ .51 ]<br>XXX = ± .005 [ .13 ]<br>ANGLES ± 1°<br>CABLE LENGTH (L) TOLERANCES:<br>L ≤ 12 [305] = +1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5% / -0 |  | ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY. |  |
| <div> <b>PASTERNAK</b><br/>an INFINITI® brand</div> |                    | Pasternack Enterprises, Inc.<br>P.O.Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: <a href="http://www.pasternack.com">www.pasternack.com</a><br>E-mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a> |                             | THIRD-ANGLE PROJECTION<br><div></div> <div>THE INFORMATION AND<br/>DESIGN IN THIS DOCUMENT<br/>IS THE PROPERTY OF<br/>PASTERNAK CORPORATION<br/>ALL RIGHTS RESERVED.</div>                                                       |  | SHEET 1 OF 1<br>SCALE N/A                       |  |
| SIZE<br>A                                                                                                                              | CAGE CODE<br>53919 | DRAWN BY<br>DZINN                                                                                                                                                                                                                                                                  | ITEM NO.<br>PE-SR405TN-BULK | REV<br>A                                                                                                                                                                                                                                                                                                            |  |                                                 |  |

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