

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor in Coiled Sections



PE-SR405TN-BULK

Configuration

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

Features

- Cable Packaged in Coiled Sections

Applications

- General Purpose Test

Description

PE-SR405TN-BULK part number from Pasternack is a RG405 Tinned coax cable that is semi-rigid. Pasternack RG405 Tinned semi-rigid coax cable is 50 Ohm and has a PTFE dielectric. RG405 Tinned coax has a shield count of 1 and the maximum frequency for this Pasternack cable is 40 GHz. RG405 Tinned coax cable has an attenuation at 1 GHz of 22 dB.

Pasternack RG405 Tinned coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG405 Tinned cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG405 Tinned or other coax can be built and shipped same day as well.

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 | | | |
| Input Power (CW), Max | 130 | 35 | 20 | | | Watts |

Mechanical Specifications

| | |
|---------------------------------|--------------------------|
| Weight | 0.013 lbs/ft [0.02 kg/m] |
| 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 | |

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Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------|--------------------|
| Dielectric | PTFE | 0.066 in [1.68 mm] |
| Outer Conductor | Tinned Copper | 0.086 in [2.18 mm] |

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 in Coiled Sections 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 in Coiled Sections PE-SR405TN-BULK](#)

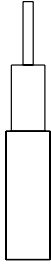
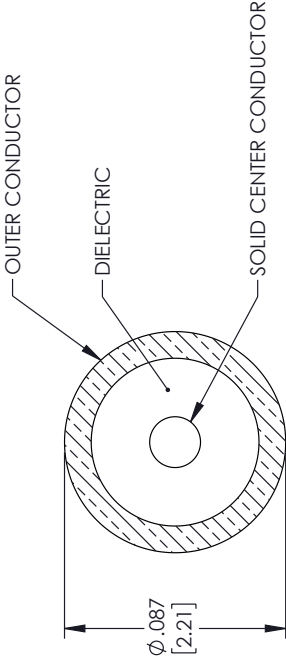
URL: <https://www.pasternack.com/50-ohm-semi-rigid-rg405-tinned-tinned-copper-pe-sr405tn-bulk-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE-SR405TN-BULK CAD Drawing

RG405 Tinned Coax Cable with Tinned Copper Outer Conductor in Coiled Sections

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

OUTER CONDUCTOR
DIELECTRIC
SOLID CENTER CONDUCTOR

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 [2.21]

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

TOLERANCES:


| | |
|---------------------|------------------|
| X = ±.2 [5.08] | 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%L / -0 | |

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

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