



## Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

### RF Cables Technical Data Sheet

**RG188-DS-FT**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description                          | Minimum | Typical     | Maximum | Units        |
|--------------------------------------|---------|-------------|---------|--------------|
| Frequency Range                      | DC      |             | 10      | GHz          |
| Impedance                            |         | 50          |         | Ohms         |
| Dielectric Withstanding Voltage (AC) |         |             | 2,000   | Vrms         |
| Nominal Capacitance                  |         | 32 [104.99] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5     | Units    |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency             | 0.01  | 0.1   | 1     | 5      | 10     | GHz      |
| Attenuation, Typ      | 3.8   | 11.5  | 30    | 79     | 133    | dB/100ft |
|                       | 12.47 | 37.73 | 98.43 | 259.19 | 436.35 | dB/100m  |
| Input Power (CW), Max | 1,250 | 450   | 160   | 57     |        | Watts    |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.118 in [3 mm]          |
| Weight   | 0.016 lbs/ft [0.02 kg/m] |

#### Construction Specifications

| Description     | Material and Plating                       | Diameter           |
|-----------------|--------------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands       | 0.02 in [0.51 mm]  |
| Conductor Type  | Stranded                                   |                    |
| Dielectric      | PTFE                                       | 0.06 in [1.52 mm]  |
| First Shield    | Silver Plated Copper Braid<br>90% coverage | 0.078 in [1.98 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS-FT](#)



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|               |                                            |                    |
|---------------|--------------------------------------------|--------------------|
| Second Shield | Silver Plated Copper Braid<br>90% coverage | 0.096 in [2.44 mm] |
|---------------|--------------------------------------------|--------------------|

|        |             |                 |
|--------|-------------|-----------------|
| Jacket | PTFE, White | 0.118 in [3 mm] |
|--------|-------------|-----------------|

**Environmental Specifications**

**Temperature**

Operating Range

-55 to 200 deg C

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

**Plotted and Other Data**

Notes:

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket 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: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS-FT](#)

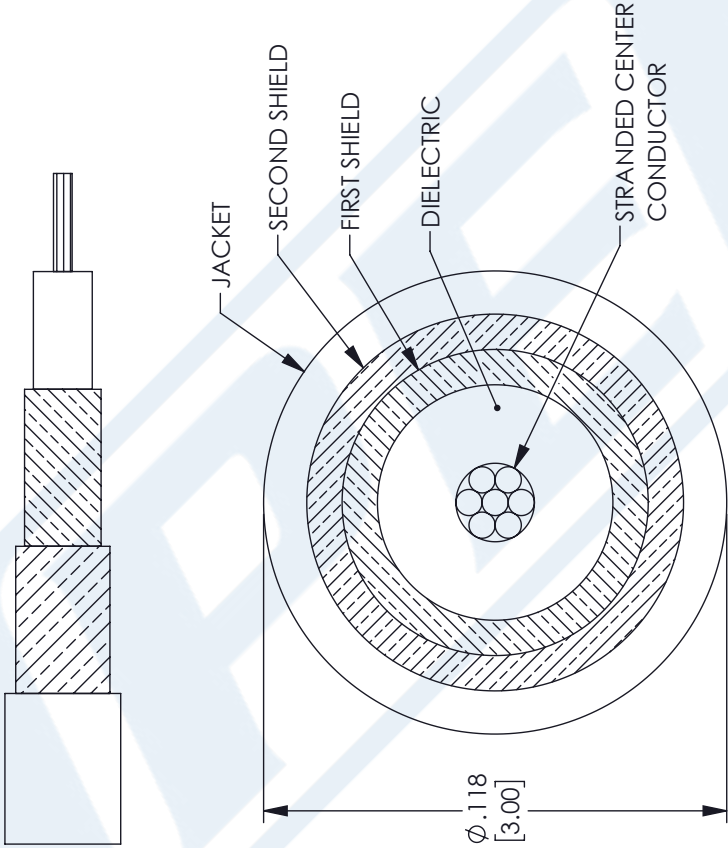
URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-ft-p.aspx>

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.

# RG188-DS-FT CAD Drawing

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

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



|                                                                                                                                                                                                                                                                                                                            |                 |                                                                                                                                         |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
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| 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: www.pasternack.com<br>E-mail: sales@pasternack.com                                                                                                                          |                 | SHEET 1 OF 1<br>SCALE N/A                                                                                                               |       |
| SIZE A                                                                                                                                                                                                                                                                                                                     | CAGE CODE 53919 | DRAWN BY DZINN                                                                                                                          | REV A |
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS                                                                                                                                                                                                                                 |                 | ITEM NO. RG188-DS-FT                                                                                                                    |       |
| TOLERANCES:<br>X = ±.2 [5.08]<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 ARE FOR REFERENCE ONLY.                                                                                            |       |

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