



## RG401 Coax Cable with Copper

### RF Cables Technical Data Sheet

**RG401/U-FT**

#### Configuration

- Semi-Rigid Cable
- 1 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Operating Voltage (AC)			3,000	Vrms
Dielectric Withstanding Voltage (AC)			7,500	Vrms
Nominal Capacitance		29.6 [97.11]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Max	7.5	33	48			dB/100ft
	24.61	108.27	157.48			dB/100m
Input Power (CW), Max	1,400	350	200			Watts

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.5 in [12.7 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strand	0.064 in [1.63 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.209 in [5.31 mm]
Outer Conductor	Copper	0 in [0 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U-FT](#)



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Jacket	Tan	[ ]
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#### Environmental Specifications

##### Temperature

Operating Range -55 to 150 deg C

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

#### Plotted and Other Data

Notes:

RG401 Coax Cable with Copper 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-0.250-rg401-50-ohm-coax-cable-copper-rg401-u-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.