

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



RG188A/U-BULK

Configuration

- Flexible Cable
- 1 Shield(s)

Features

- High temperature 50 Ohm data signal transmission
- Teflon taped outer jacket results in a 200 degree C operating temperature
- Stranded center conductor allows cable to be very flexible
- Small diameter is ideal for tight fit applications
- Associated connectors and crimp tools available

Applications

- Ethernet
- Data
- Premise Wiring
- R&D

Description

RG188A/U-BULK part number from Pasternack is a RG188 coax cable that is flexible. Pasternack RG188 flexible coax cable is 50 Ohm and has a PTFE dielectric. Our RG188 coax is constructed with a 0.11 jacket made of PTFE. RG188 coax has a shield count of 1 and the maximum frequency for this Pasternack cable is 3 GHz. RG188 coax cable has an attenuation at 1 GHz of 26 dB and a maximum power of 160 watts at 1 GHz.

Pasternack RG188 coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG188 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG188 or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance	50			Ohms
Velocity of Propagation	70			% of c
Time Delay	1.45 [4.76]			ns/ft [ns/m]
Operating Voltage (AC)			1,200	Vrms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Inner Conductor DC Resistance			84.1	Ohms/1000ft
Nominal Capacitance		29.3 [96.13]		pF/ft [pF/m]
Power@ 1GHz			160	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	20					dB/100ft
	65.62					dB/100m

Electrical Specification Notes:

Static Bending Radius: One Time: 0.52 inch, repeated: 1.03

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Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.01 lbs/ft [0.01 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	0.081 in [2.06 mm]
	95.2% coverage	
Jacket	PTFE, White	0.11 in [2.79 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 Single 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 Single Shielded with White PTFE Jacket RG188A/U-BULK](#)

URL: <https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-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.

RG188A/U-BULK CAD Drawing

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