

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
- Dielectric VoP of 70%

Applications

- Ethernet
- Data
- Premise Wiring
- R&D

Description

RG188 coaxial cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for same business day shipment. Fairview Microwave's RG188A/U-BULK coaxial cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coaxial cable is constructed with a PTFE jacket of 0.11-inch diameter.

Fairview Microwave's RG188A/U-BULK flexible coaxial cable with a PTFE jacket is rated for a 3 GHz maximum operating frequency. This 50 Ohm flexible coaxial cable is built with a shield count of 1. Our RF coaxial cable with a stranded conductor of silver-plated copper clad steel can withstand the maximum power of 160 Watts at 1 GHz. Our white-colored coaxial RF cable has a typical insertion loss/attenuation of 20 dB/100ft at frequency of 400 MHz respectively.

The RG188 coaxial cable with PTFE dielectric can operate at temperatures ranging from -55 to +250 degrees C. Additional specifications for this RG188A/U-BULK single shielded RF coaxial cable are on our downloadable PDF datasheet above. Our white-colored flexible RF cable with 50 Ohm impedance has 26 dB/100ft of attenuation at 1 GHz. This white colored high voltage coaxial cable has a 0.081-inch shield layer of silver plated copper braid. Our twinaxial cable has a maximum operating AC voltage of 1,200 Vrms.

RG188 RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This RG188 coaxial cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship the same business day from our warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
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]

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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

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	
Outer Conductor		0 in [0 mm]
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:

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Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U-BULK](#)

URL: <https://www.fairviewmicrowave.com/rg188au-flexible-coax-cable-ptfe-jacket-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

RG188A/U-BULK CAD Drawing

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