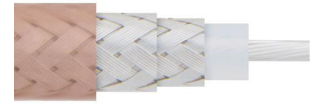


Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



RG400/U-BULK

Configuration

- Flexible Cable
- 2 Shield(s)

Features

- Stranded Center Conductor Allows Cable to be Very Flexible
- Dielectric VoP of 70%
- High Temperature 50 Ohm Data Signal Transmission

Applications

- General Purpose
- R&D

Description

RG400 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 RG400/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 FEP jacket of 0.195-inch diameter.

Fairview Microwave's RG400/U-BULK flexible coaxial cable with a FEP jacket is rated for a 12.4 GHz maximum operating frequency. This 50 Ohm flexible coaxial cable is built with a shield count of 2. Our RF coaxial cable with a stranded conductor of silver-plated copper can withstand the maximum power of 600 Watts at 1 GHz. Our tan-colored coaxial RF cable has a typical insertion loss/attenuation of 9, 14.7, 26.9, 36.1 and 57.9 dB/100ft at frequency of 400 MHz, 1 GHz, 3 GHz, 5 GHz and 11 GHz respectively.

The RG400 coaxial cable with PTFE dielectric can operate at temperatures ranging from -55 to +200 degrees C. Additional specifications for this RG400/U-BULK double-shielded RF coaxial cable are on our downloadable PDF datasheet above. Our tan-colored flexible RF cable with 50 Ohm impedance has 14.7 dB/100ft of attenuation at 1 GHz. Our twinaxial cable has a maximum operating AC voltage of 1,900 Vrms. This RF cable has a repeat minimum bend radius of 1 inch.

RG400 RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This RG400 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.

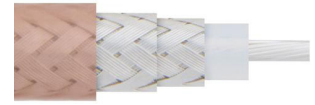
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]
Power@ 1GHz			600	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.4	1	3	5	11	GHz

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



RG400/U-BULK

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Attenuation, Typ	9	14.7	26.9	36.1	57.9	dB/100ft
	29.53	48.23	88.25	118.44	189.96	dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.042 lbs/ft [0.06 kg/m]
Min. Bend Radius (Repeated)	1 in [25.4 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 19 Strands	
Conductor Type	Stranded	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	
Second Shield	Silver Plated Copper Braid	0.156 in [3.96 mm]
Outer Conductor		0 in [0 mm]
Jacket	FEP, Tan	0.195 in [4.95 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 RG400 Coax Cable Double Shielded with Tan FEP 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.

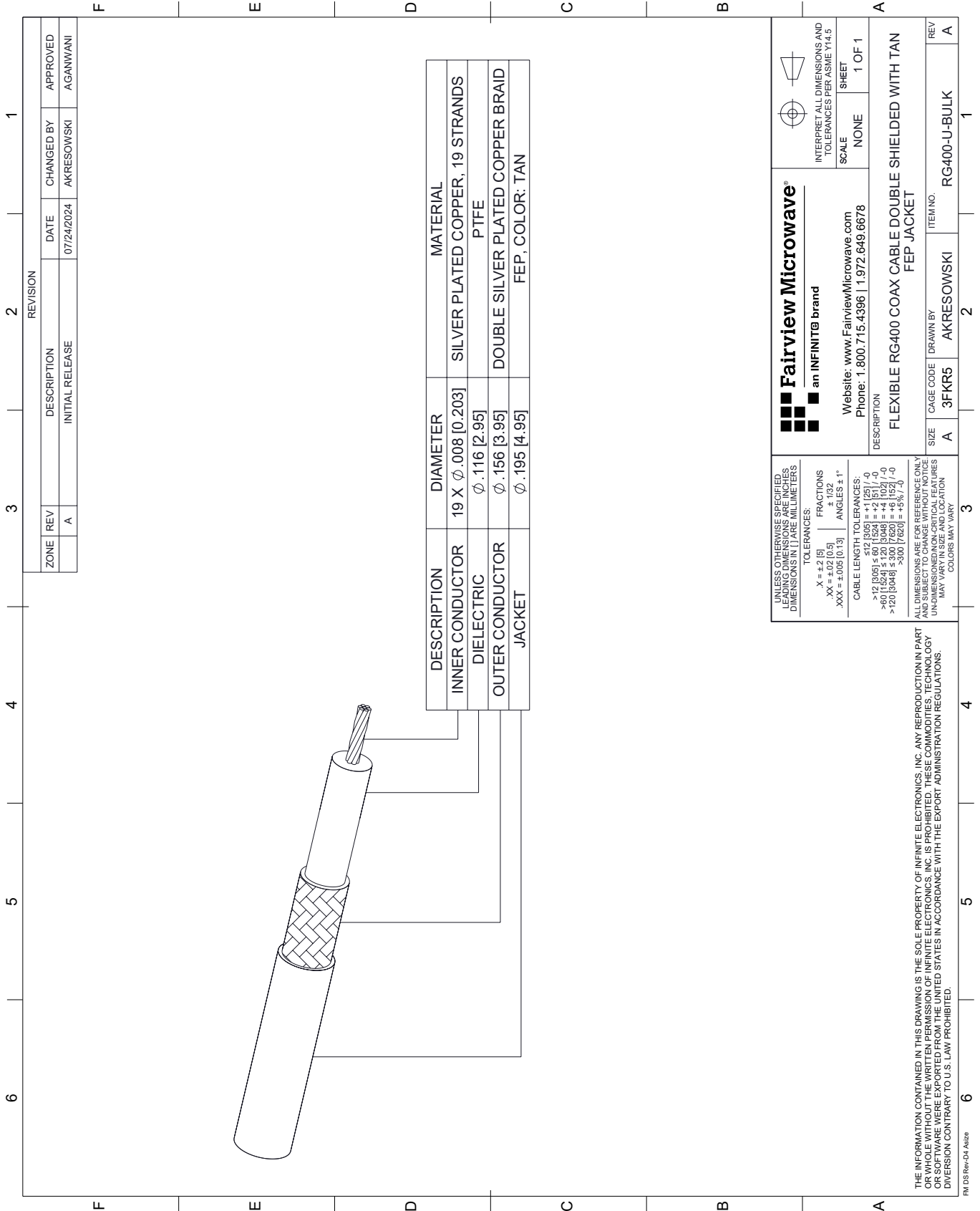
For additional information on this product, please click the following link: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U-BULK](#)

URL: <https://www.fairviewmicrowave.com/rg400u-flexible-coax-cable-fep-jacket-rg400-u-bulk-p.asp>

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.

RG400/U-BULK CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	07/24/2024
			CHANGED BY
			APPROVED
			AGANWANI

Fairview Microwave®
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Website: www.FairviewMicrowave.com
Phone: 1.800.715.4396 | 1.972.649.6678

DESCRIPTION
FLEXIBLE RG400 COAX CABLE DOUBLE SHIELDED WITH TAN FEP JACKET

SIZE: A
CAGE CODE: 3FKR5
DRAWN BY: AKRESOWSKI
ITEM NO.: RG400-U-BULK

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE
SHEET: 1 OF 1

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
X = +.2 [5] FRACTIONS ± 1/32
XX = +.02 [0.5] ± 1/32
XXX = ±.005 [0.13] ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤ 12 [305] ± .60 [1524] = +.2 [5] / -0
>12 [305] ≤ 60 [1524] = +.2 [5] / -0
>60 [1524] ≤ 120 [3048] = +.4 [1027] / -0
>120 [3048] ≤ 300 [7620] = +.6 [152] / -0
>300 [7620] = +.9% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED. DIMENSIONS AND LOCATIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PM DS Rev-D4 A42e