

RG316-DS Flexible Coax Cable Tan FEP Jacket
Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		96.5		%
Shielding Effectiveness	85			dB
Operating Voltage (AC)			1,200	Vrms
Inner Conductor DC Resist.			83.82	Ohms/1000ft
Outer Conductor DC Resist.			5.33	Ohms/1000ft
Nominal Capacitance		28.96 [95.01]		pF/ft [pF/m]
Insulation Resistance	304.8			MOhms/1Kft

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	2	3	GHz
Attenuation, Max	10.97	20.97	37.95	45.05	57.94	dB/100ft
	35.99	68.8	124.51	147.8	190.09	dB/100m
Attenuation, Typ	8.29	17.5	29	39.41	53.55	dB/100ft
	27.2	57.41	95.14	129.3	175.69	dB/100m
Power In (CW), Max	375	185	120	85	65	Watts

Mechanical Specifications

Diameter	0.114 in [2.9 mm]
Weight	0.015 lbs/ft [0.02 Kg/m]
Min. Bend Radius (Installation)	0.59 in [14.99 mm]
Min. Bend Radius (Repeated)	1.57 in [39.88 mm]

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	
Second Shield	Silver Plated Copper Braid	0.094 in [2.39 mm]
Jacket	FEP, Tan	0.114 in [2.9 mm]


Configuration:

- Flexible Cable
- 2 Shield(s)

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Environmental Specifications

Temperature

Operating Range

-55 to 200 deg C

Storage Range

0 to 40 deg C

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

Plotted and Other Data

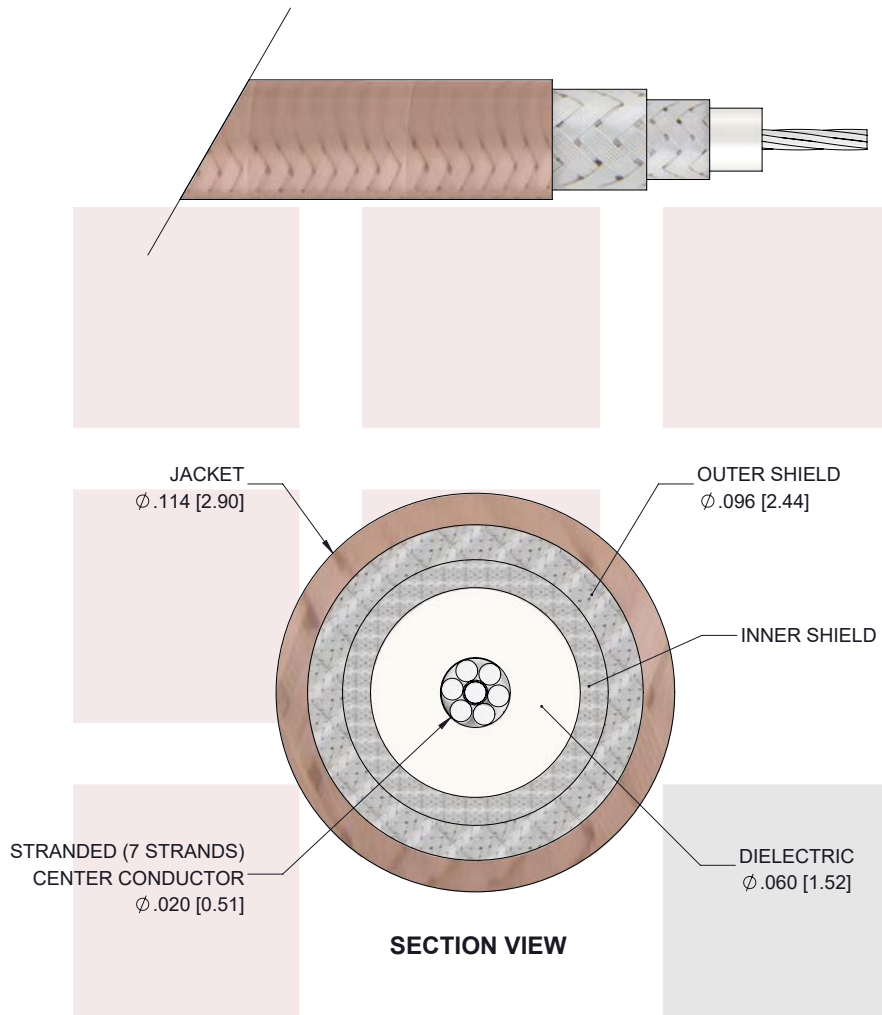
Notes:

RG316-DS Flexible Coax Cable Tan FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG316-DS Flexible Coax Cable Tan FEP Jacket RG316-DS](#)

URL: <https://www.fairviewmicrowave.com/rg316-ds-flexible-coax-cable-fep-jacket-rg316-ds-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. 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 any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<p>Fairview Microwave an INFINIT® brand</p>		<p>NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].</p>					
<p>TITLE RG316-DS Flexible Coax Cable Tan FEP Jacket</p>		<p>DWG NO RG316-DS</p>		<p>CAGE CODE 3FKR5</p>			
CAD FILE	07/17/19	SHEET	1 OF 1	SCALE	N/A	SIZE A	7361