

BNC Female Connector Crimp/Solder Attachment For RG316, RG174, RG188, LMR-100A, LMR-100A-FR, 0.100 inch Cable

BNC female connector with crimp/solder attachment for RG316, RG174, RG188, LMR-100A, LMR-100A-FR and 0.100 inch, part number FMCN1352, from Fairview Microwave is in-stock and ships same day. This BNC female connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.5:1.

Fairview's BNC female connector FMCN1352 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	1.28 in [32.51 mm]
Width/Dia.	0.453 in [11.51 mm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- BNC Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, LMR-100A, LMR-100A-FR, 0.100 inch Interface Type
- Crimp/Solder Attachment

Features:

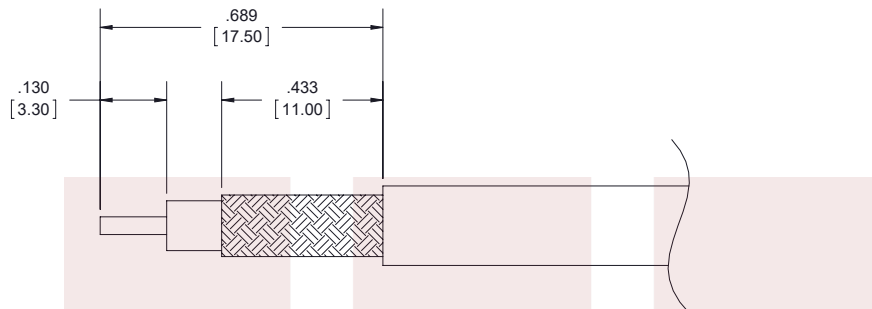
- Operating Frequency of 1,000 MHz Max.
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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Assembly Instruction

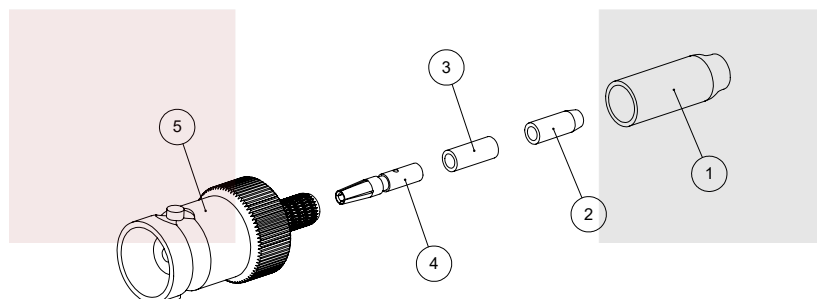


ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID & SLIDE FERRULE (1) OVER CABLE
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE SPACER (3) OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY (5) SO THAT THE INNER FERRULE (1) PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY TO FORWARD UNTIL CONTACT SNAPS INTO PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY AND CRIMP.

CRIMP SIZE REQUIRED

- CONTACT: .068" HEX CRIMP TOOL.
- FERRULE: .178" HEX CRIMP TOOL.



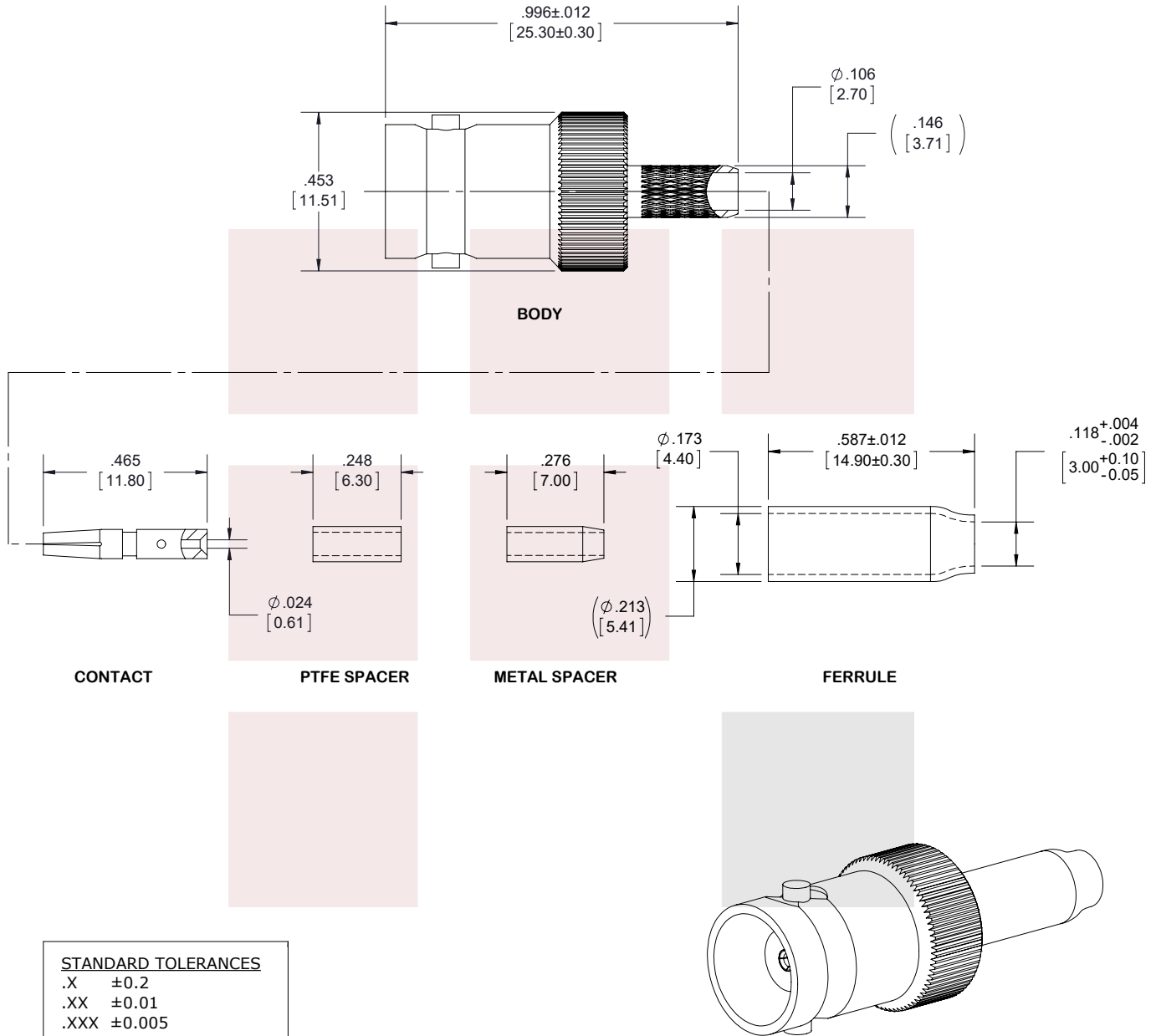
BNC Female Connector Crimp/Solder Attachment For RG316, RG174, RG188, LMR-100A, LMR-100A-FR, 0.100 inch Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [BNC Female Connector Crimp/Solder Attachment For RG316, RG174, RG188, LMR-100A, LMR-100A-FR, 0.100 inch Cable FMCN1352](#)

URL: <https://www.fairviewmicrowave.com/bnc-female-rg316-rg174-rg188-lmr-100a-lmr-100a-fr-0.100-connector-fmcn1352-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.





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TITLE BNC Female Connector Crimp/Solder Attachment For RG316, RG174, RG188, LMR-100A, LMR-100A-FR, 0.100 inch Cable	DWG NO FMCN1352		CAGE CODE 3FKR5			
	CAD FILE	100217	SHEET	1 OF 2	SCALE N/A	SIZE A
						7361

SMC Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable , .177 inch D Hole

SMC jack bulkhead connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100 and .100 inch (.177 inch D hole), part number FMCN1547, from Fairview Microwave is in-stock and ships same day. This SMC jack connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.35:1. Fairview's FMCN1547 bulkhead SMC connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's SMC jack bulkhead connector FMCN1547 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.



Configuration:

- SMC Jack Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, .100 inch Interface Type
- Crimp/Solder Attachment
- Bulkhead

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size	
Length	0.86 in [21.84 mm]
Width/Dia.	0.25 in [6.35 mm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

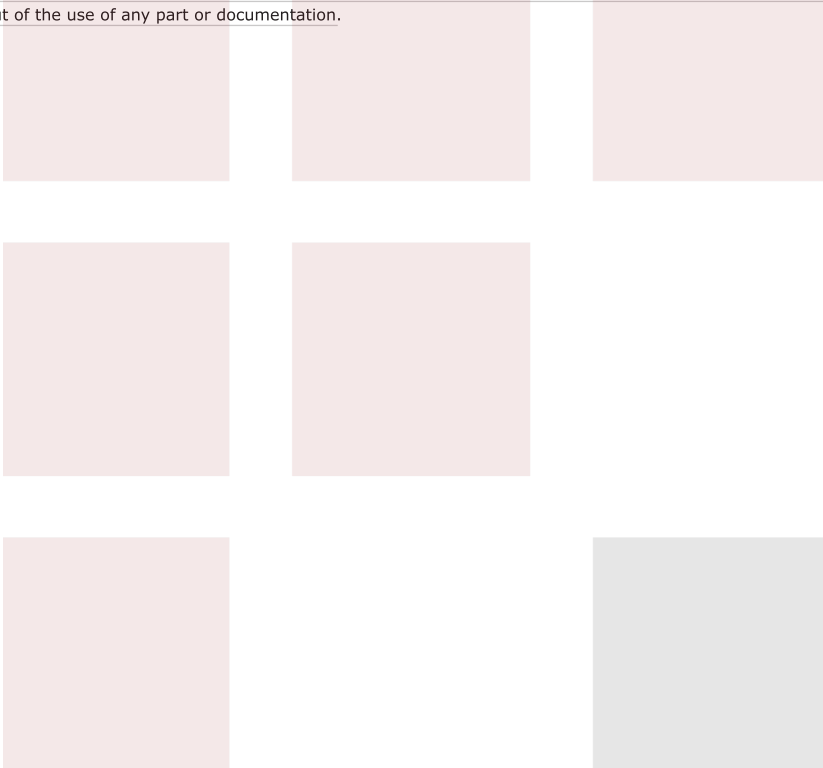
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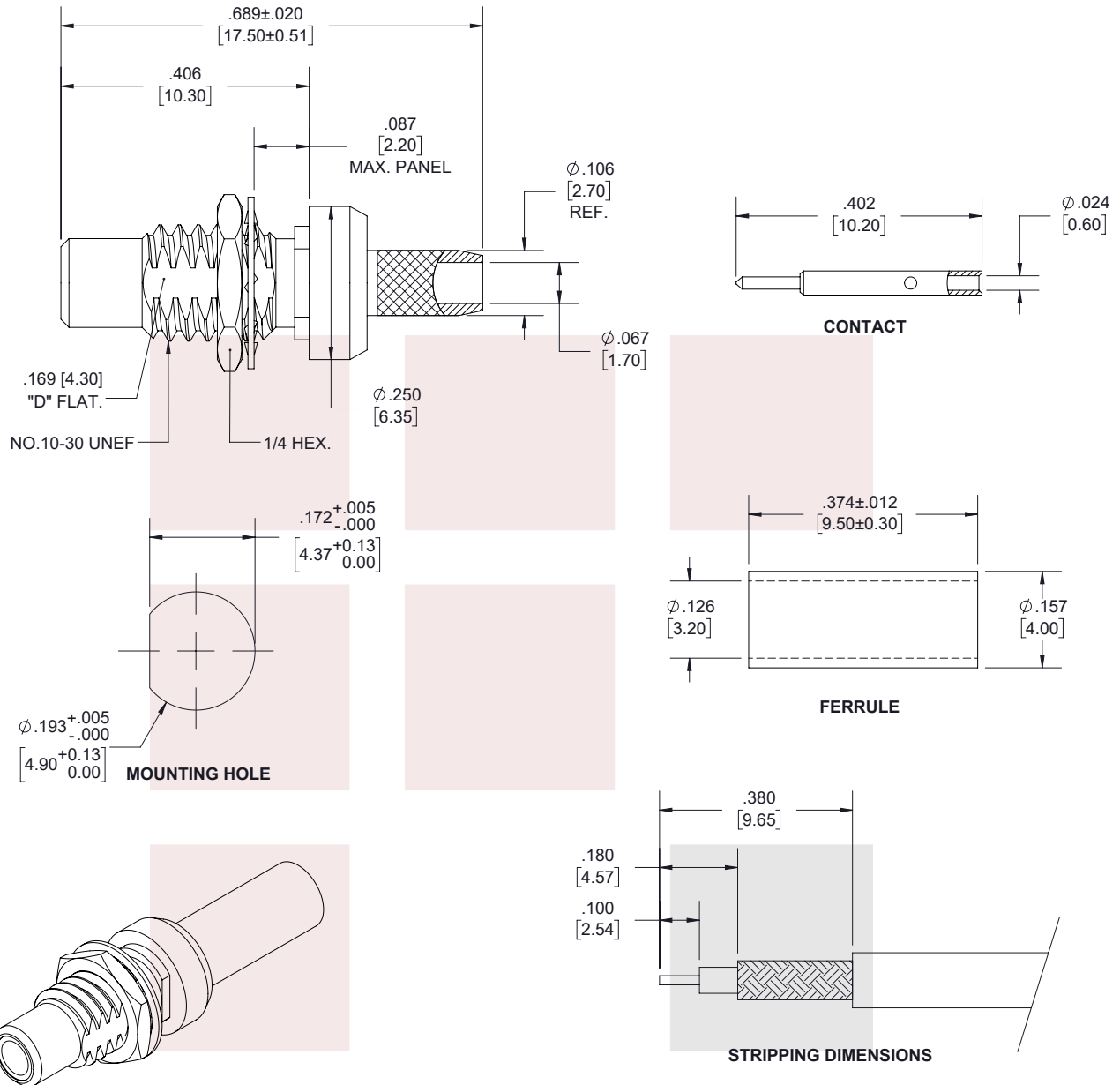
SMC Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable , .177 inch D Hole from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMC Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable , .177 inch D Hole FMCN1547](#)

URL: <https://www.fairviewmicrowave.com/smc-jack-rg174-rg316-rg188-lmr-100-.100-connector-fmcn1547-p.aspx>

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STANDARD TOLERANCES

.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
- CRIMP SIZE REQUIRED:
 - FERRULE: .128 [3.25] HEX. CRIMP TOOL.
 - CONTACT: .026 [0.67] SQ. CRIMP TOOL.

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TITLE SMC Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable, .177 inch D Hole	DWG NO FMCN1547		CAGE CODE 3FKR5			
	CAD FILE	06/07/19	SHEET	1 OF 1	SCALE	N/A
					SIZE	A
						7361

RG316 Flexible Coax Cable FEP Jacket

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		69		%
Operating Voltage (AC)			1,200	Vrms
DWV (AC)			2,000	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance		29.4		pF/ft
		[96.46]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.05	0.1	0.4	1	3	GHz
Attenuation, Typ	7.5	11	21	38	58	dB/100ft
	24.61	36.09	68.9	124.67	190.29	dB/100m

Mechanical Specifications

Diameter	0.102 in [2.59 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	
Jacket	FEP	0.102 in [2.59 mm]

Environmental Specifications

Temperature	
Operating Range	-55 to +200 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Flexible Cable
- 1 Shield(s)

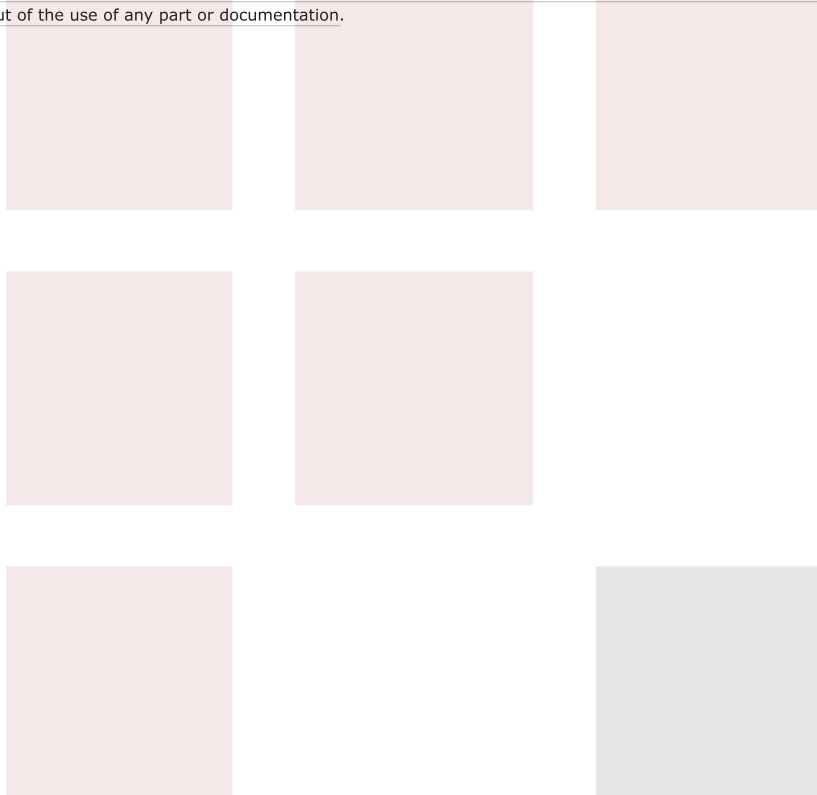
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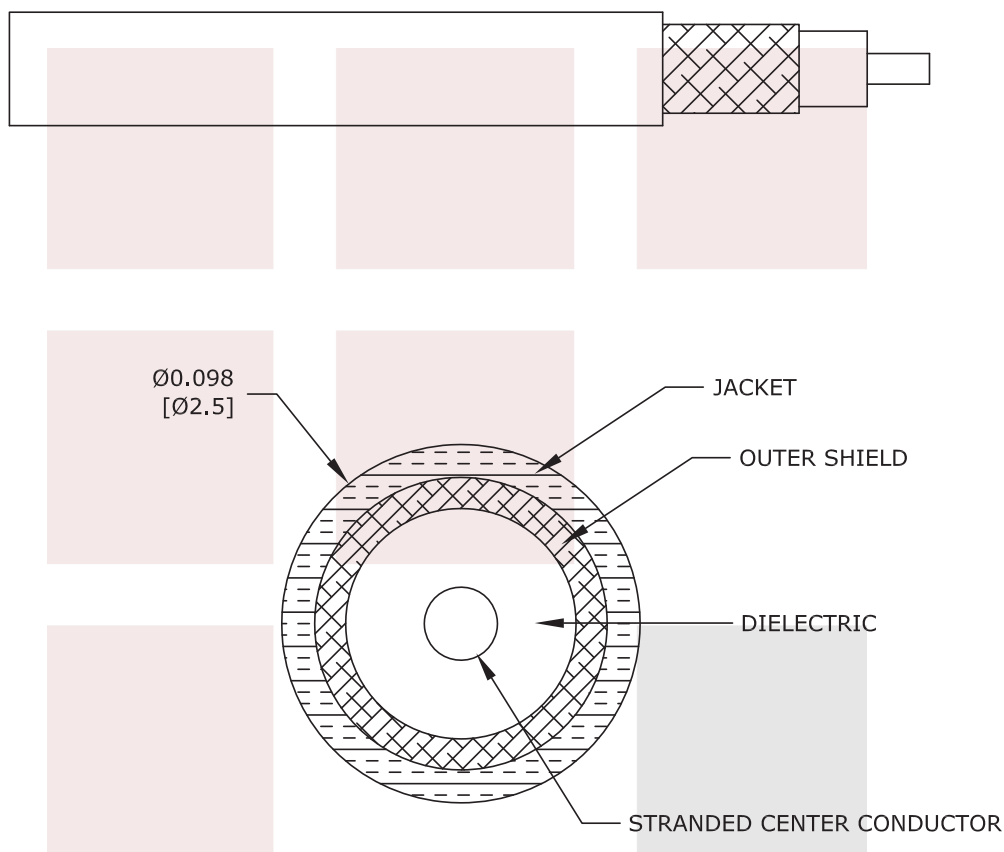
RG316 Flexible Coax Cable FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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

URL: <https://www.fairviewmicrowave.com/rg316-flexible-coax-cable-fep-jacket-rg316-p.aspx>

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TITLE RG316 Flexible Coax Cable FEP Jacket	DWG NO RG316		CAGE CODE 3FKR5		
	CAD FILE 111816	SHEET	SCALE N/A	SIZE A	41742