

MHV Male Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable



FMCN5245

Configuration

- MHV Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, LMR-100, .100 inch

Features

- Operating Frequency of 500 MHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

MHV Male Standard Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100 and .100 inch Cable, part number FMCN5245, from Fairview Microwave is in-stock and ships same day. This MHV male connector operates up to a maximum frequency of 500 MHz and offers good VSWR of 1.3:1.

Fairview's MHV male connector FMCN5245 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		500	MHz
VSWR			1.3:1	
Operating Voltage (AC)			1,600	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.42 in [36.07 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.036 lbs [16.33 g]

MHV Male Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable



FMCN5245

Material Specifications

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

Environmental Specifications

Temperature Operating Range	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

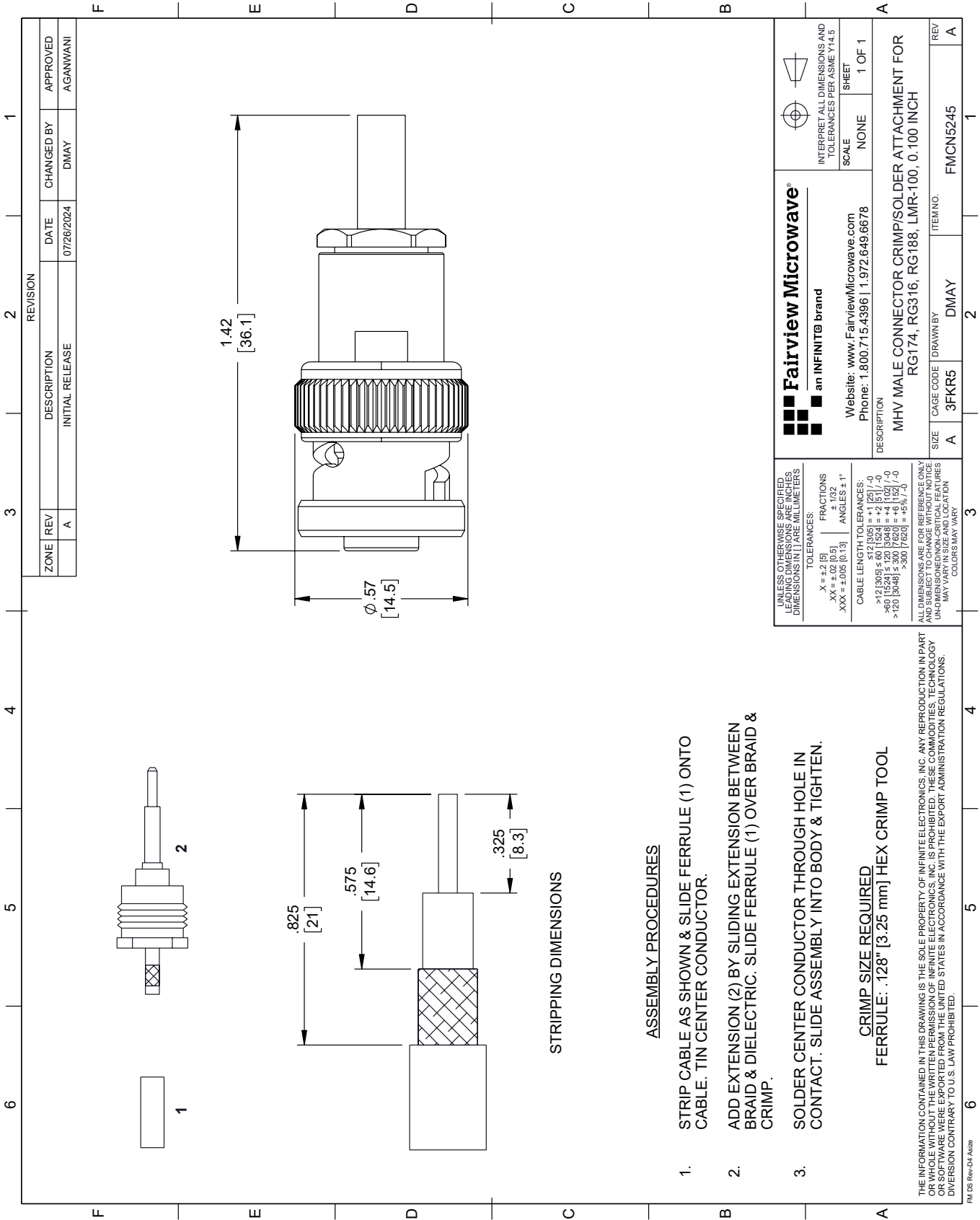
Notes:

MHV Male Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [MHV Male Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable FMCN5245](#)

URL: <https://www.fairviewmicrowave.com/mhv-male-rg174-rg316-rg188-lmr-100-.100-connector-fmcn5245-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.



SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable

FMCN5247



Configuration

- SHV Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, LMR-100, .100 inch

Features

- Operating Frequency of 300 MHz Max.
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

SHV Plug Standard Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100 and .100 inch Cable, part number FMCN5247, from Fairview Microwave is in-stock and ships same day. This SHV plug connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.5:1.

Fairview's SHV plug connector FMCN5247 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		300	MHz
VSWR			1.5:1	
Operating Voltage (AC)			1,100	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.66 in [42.16 mm]
Width	0.571 in [14.5 mm]
Height	0.571 in [14.5 mm]
Weight	0.06 lbs [27.22 g]

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable

FMCN5247



Material Specifications

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

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 16 in-lbs [1.81 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

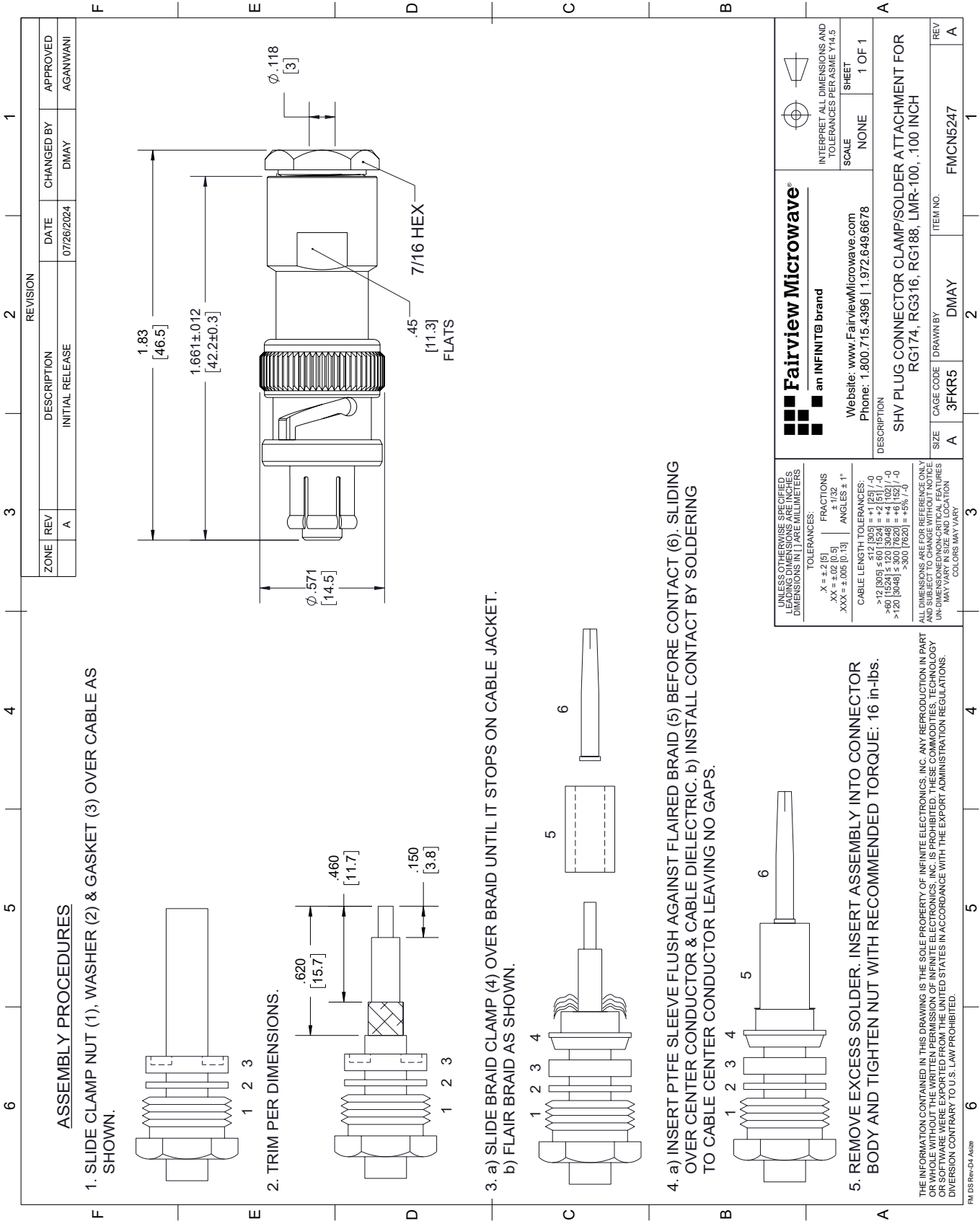
Notes:

SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SHV Plug Connector Clamp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable FMCN5247](#)

URL: <https://www.fairviewmicrowave.com/shv-plug-rg174-rg316-rg188-lmr-100-.100-connector-fmcn5247-p.aspx>

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

Plotted and Other Data

Notes:



Configuration:

- Flexible Cable
- 1 Shield(s)

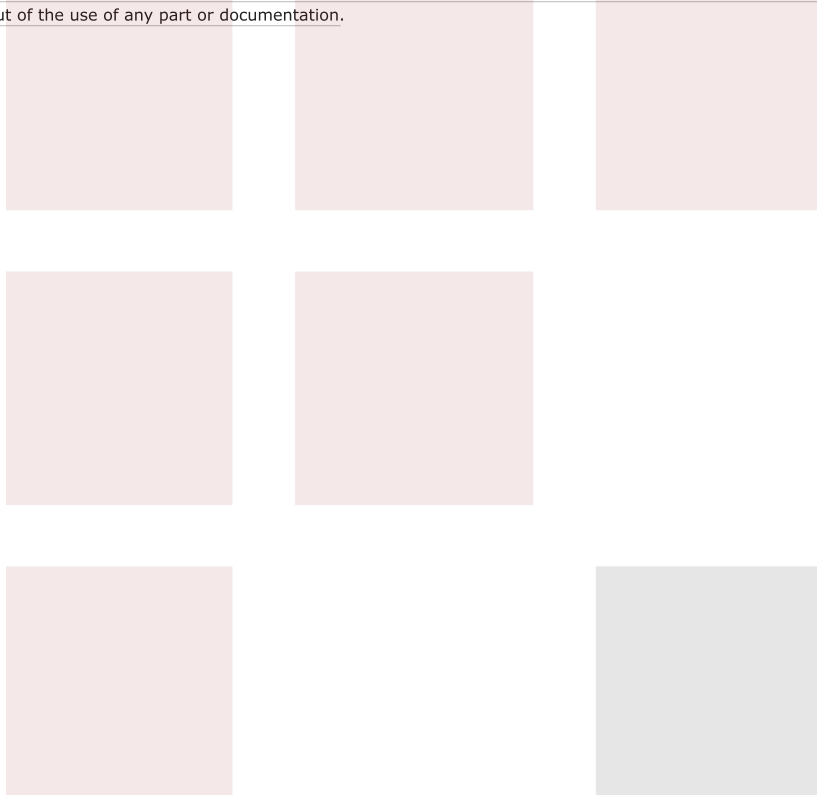
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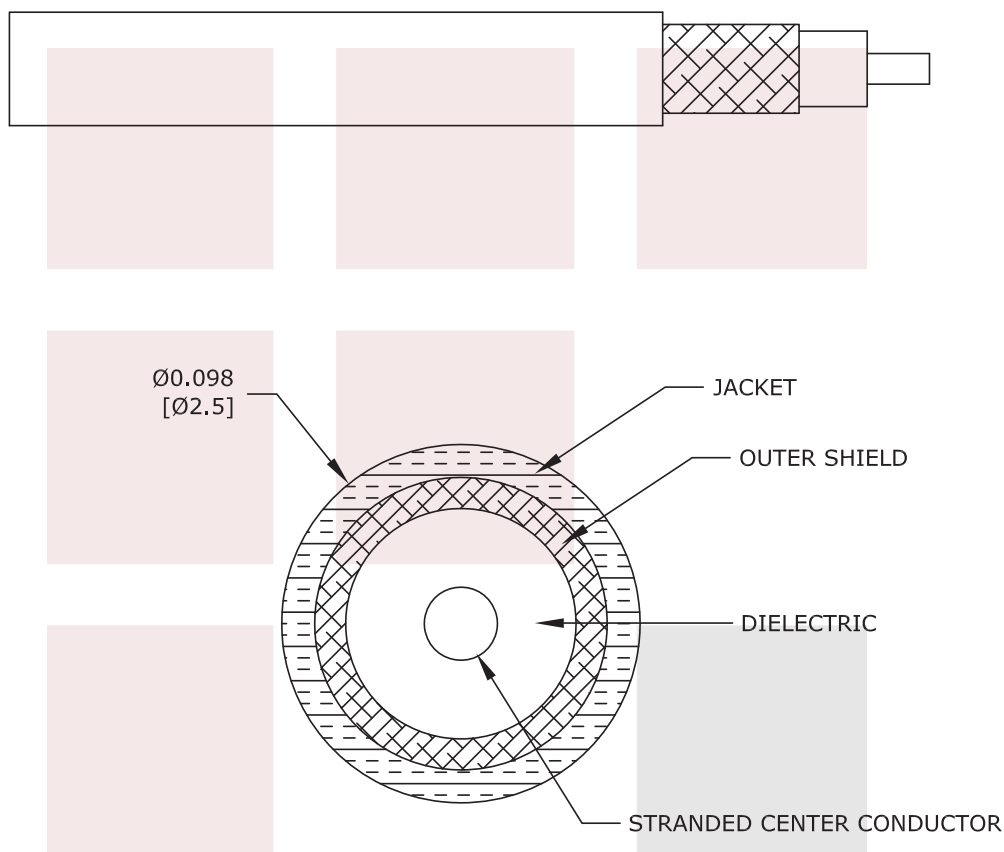
RG316 Flexible Coax Cable FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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