

## 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

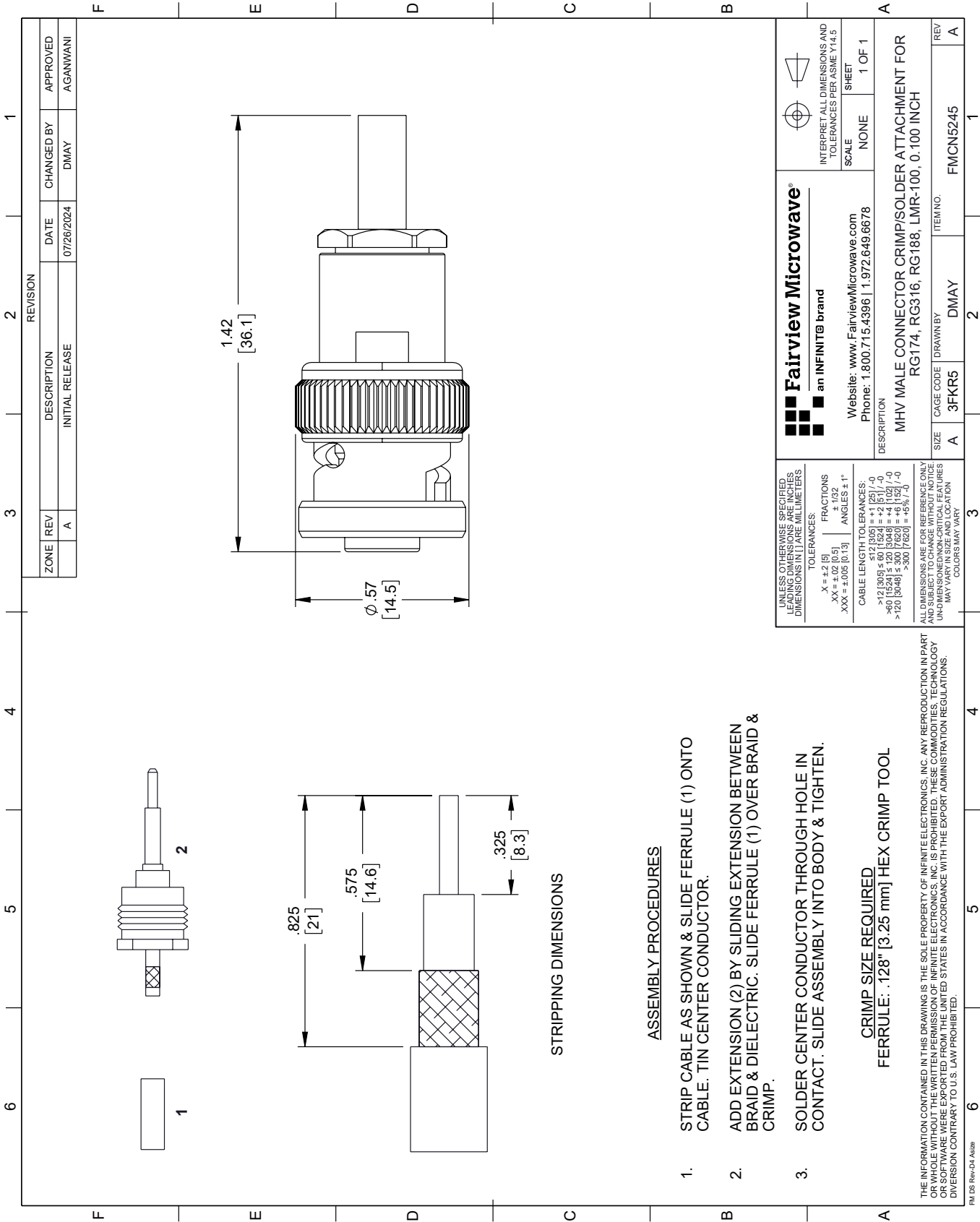
Notes:

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>

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## 10-32 Male Connector Crimp/Solder Attachment For RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable

10-32 male connector with crimp/solder attachment for RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A and LMR-100A-FR, part number SC5560, from Fairview Microwave is in-stock and ships same day. This 10-32 male connector operates up to a maximum frequency of 2 GHz and offers good VSWR of 1.3:1.

Fairview's 10-32 male connector SC5560 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		2	GHz
VSWR			1.3:1	

### Mechanical Specifications

Size	
Length	1.08 in [27.43 mm]
Weight	0.012 lbs [5.44 g]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

### Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- 10-32 Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment

### Features:

- Operating Frequency of 2 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- Contact plating according to MIL-G-45204

### Applications:

- General Purpose Test
- Custom Cable Assemblies

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10-32 Male Connector Crimp/Solder Attachment For RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR 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.

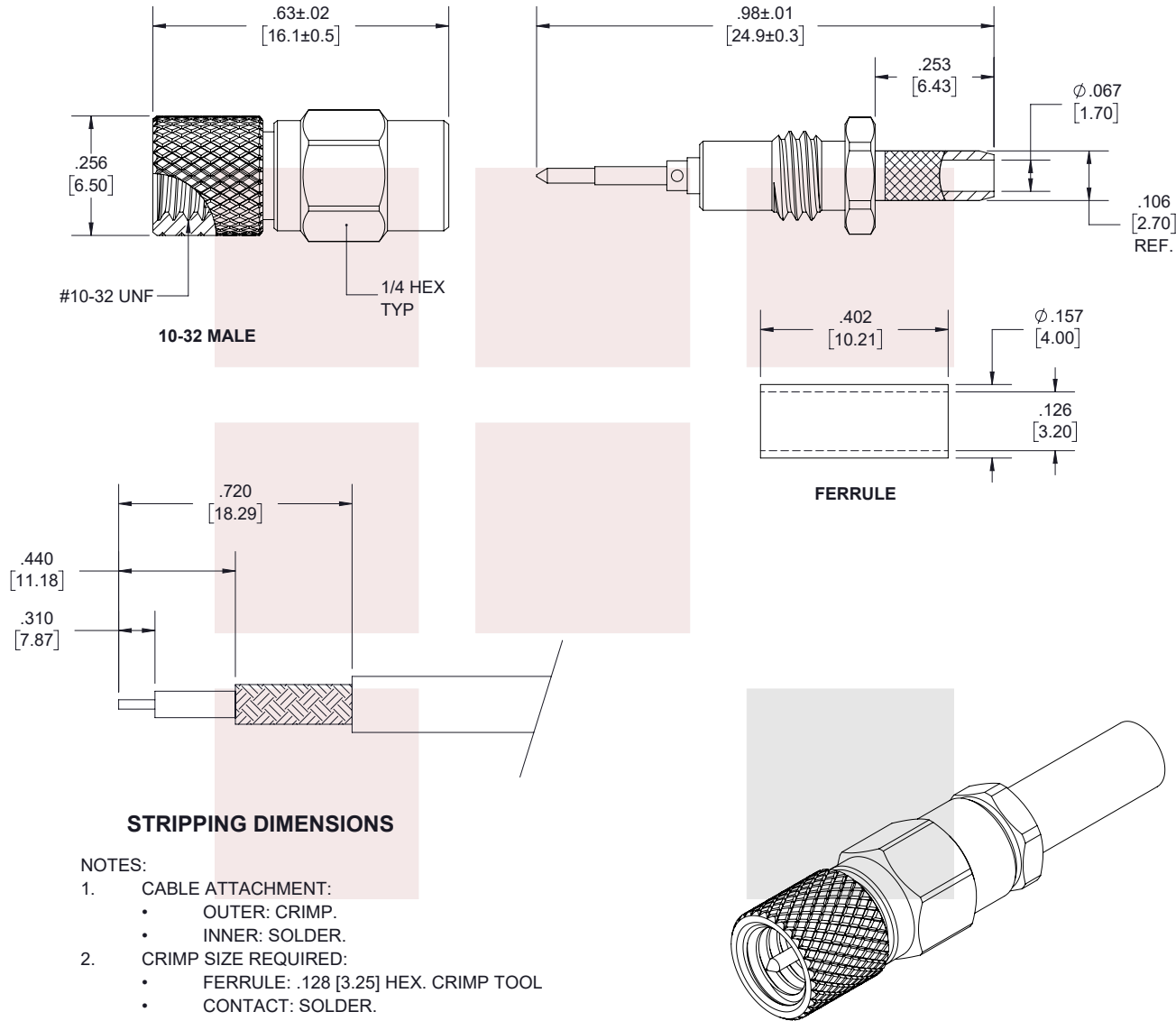
For additional information on this product, please click the following link: [10-32 Male Connector Crimp/Solder Attachment For RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC5560](https://www.fairviewmicrowave.com/10-32-male-standard-rg174-rg316-connector-sc5560-p.aspx)

URL: <https://www.fairviewmicrowave.com/10-32-male-standard-rg174-rg316-connector-sc5560-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/28/19	J.GARCIA



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TITLE

10-32 Male Connector Crimp/Solder Attachment For RG174, RG316, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS  
.XX = ±.02 [.51] ± 1/32  
.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. SC5560	REV A

T-Rev.D

## 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)

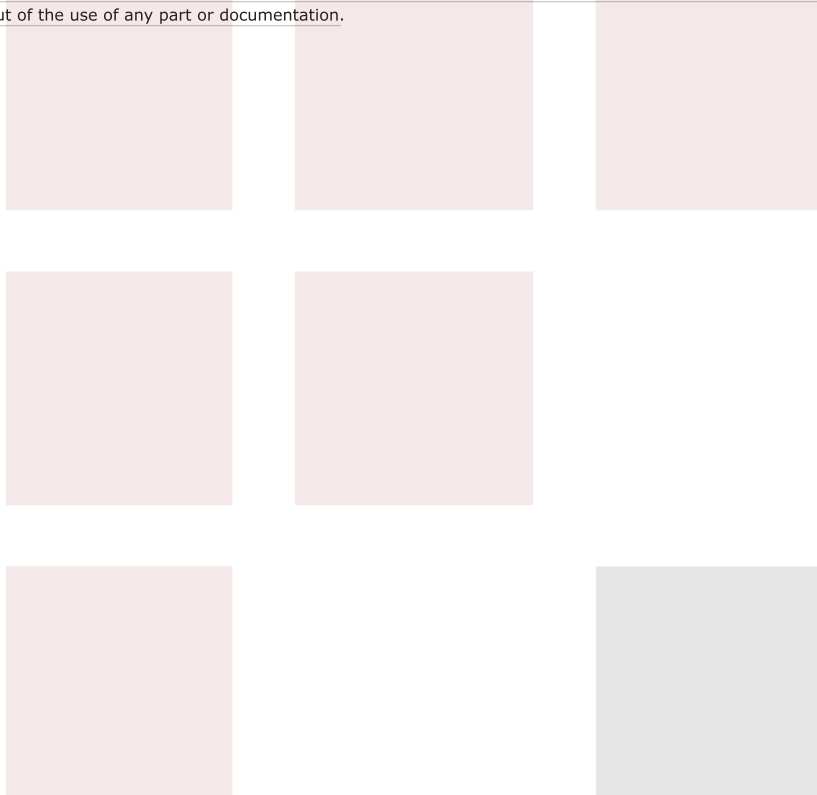
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RG316 Flexible Coax Cable FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

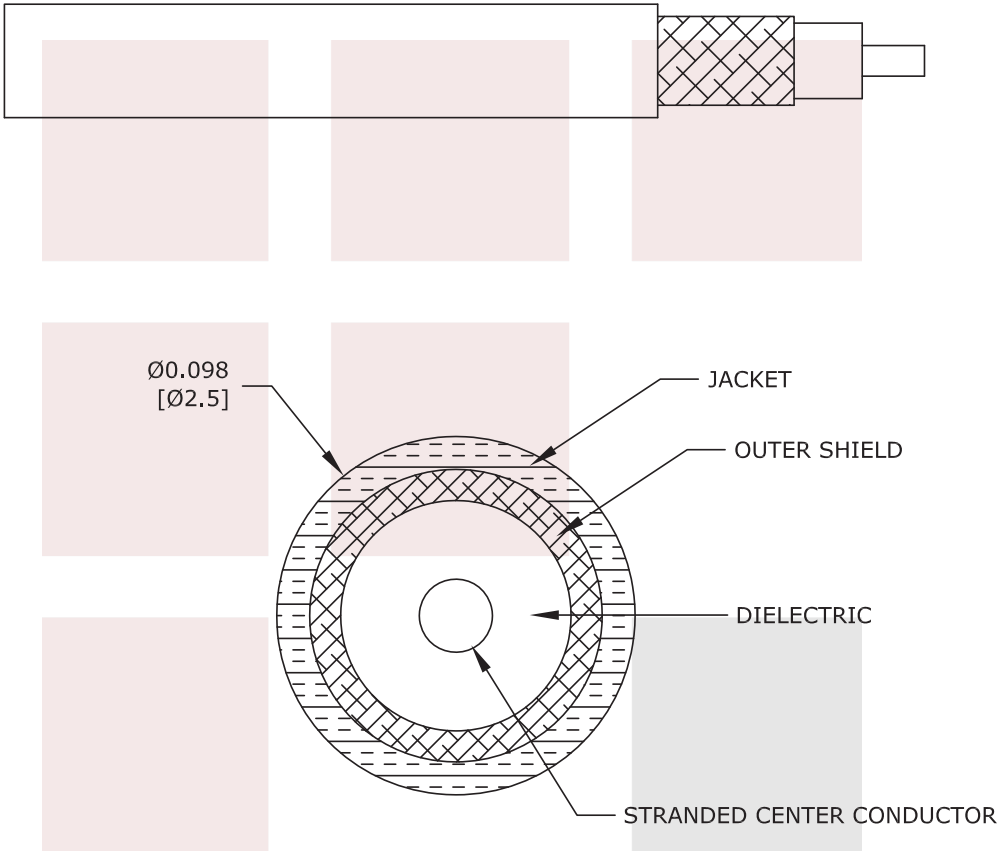
Click the following link to obtain additional part information: [RG316 Flexible Coax Cable FEP Jacket RG316](#)

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