

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

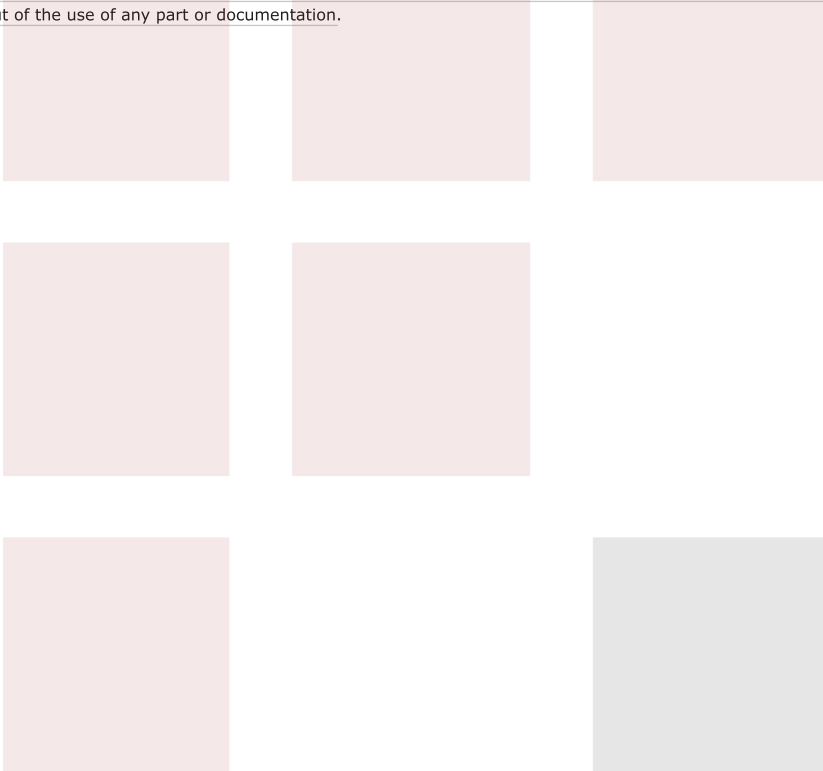
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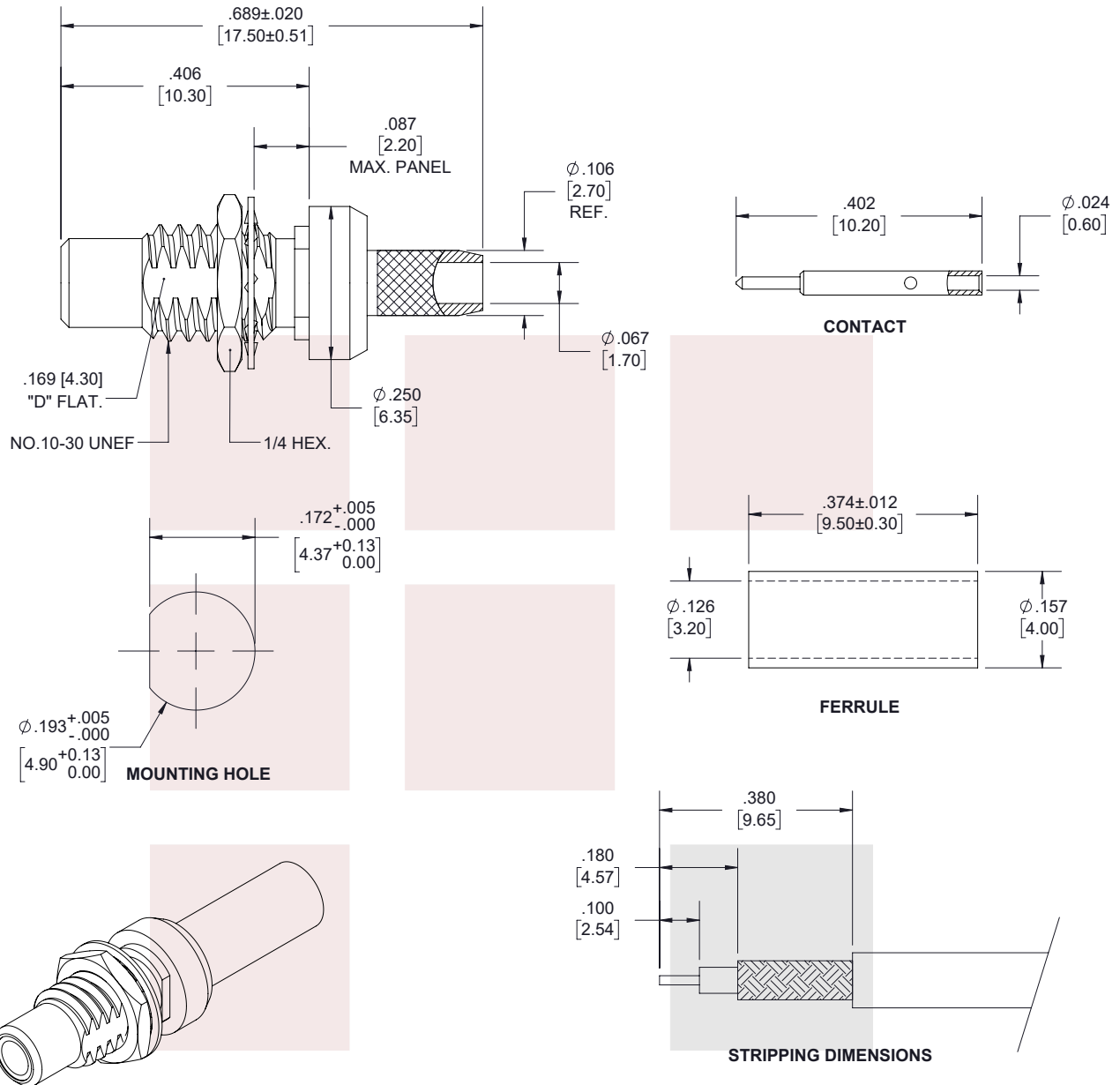
SMC Jack Bulkhead Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, .100 inch Cable , .177 inch D Hole from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen,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

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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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	

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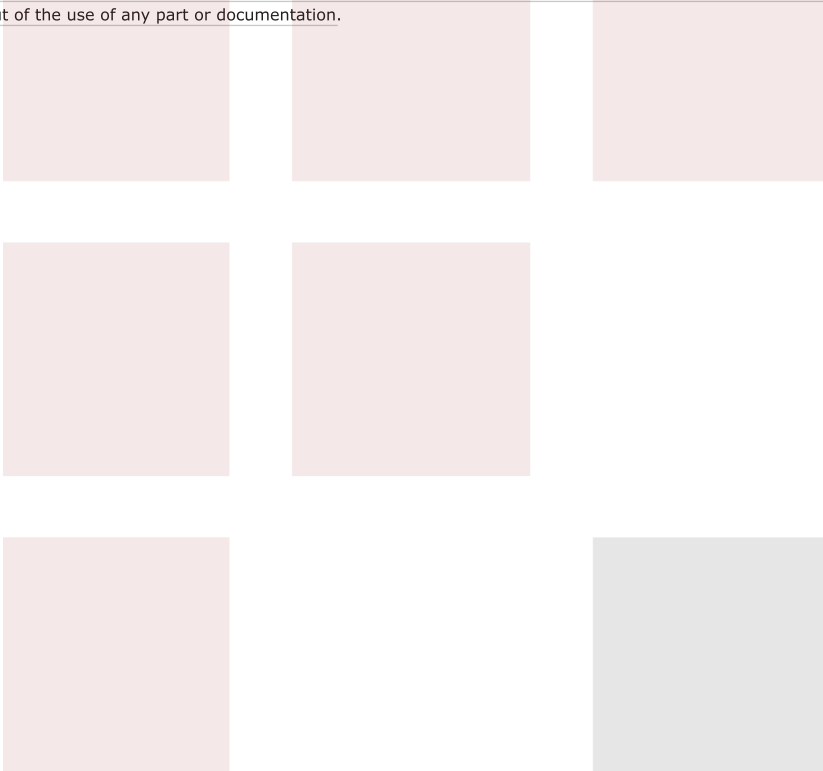
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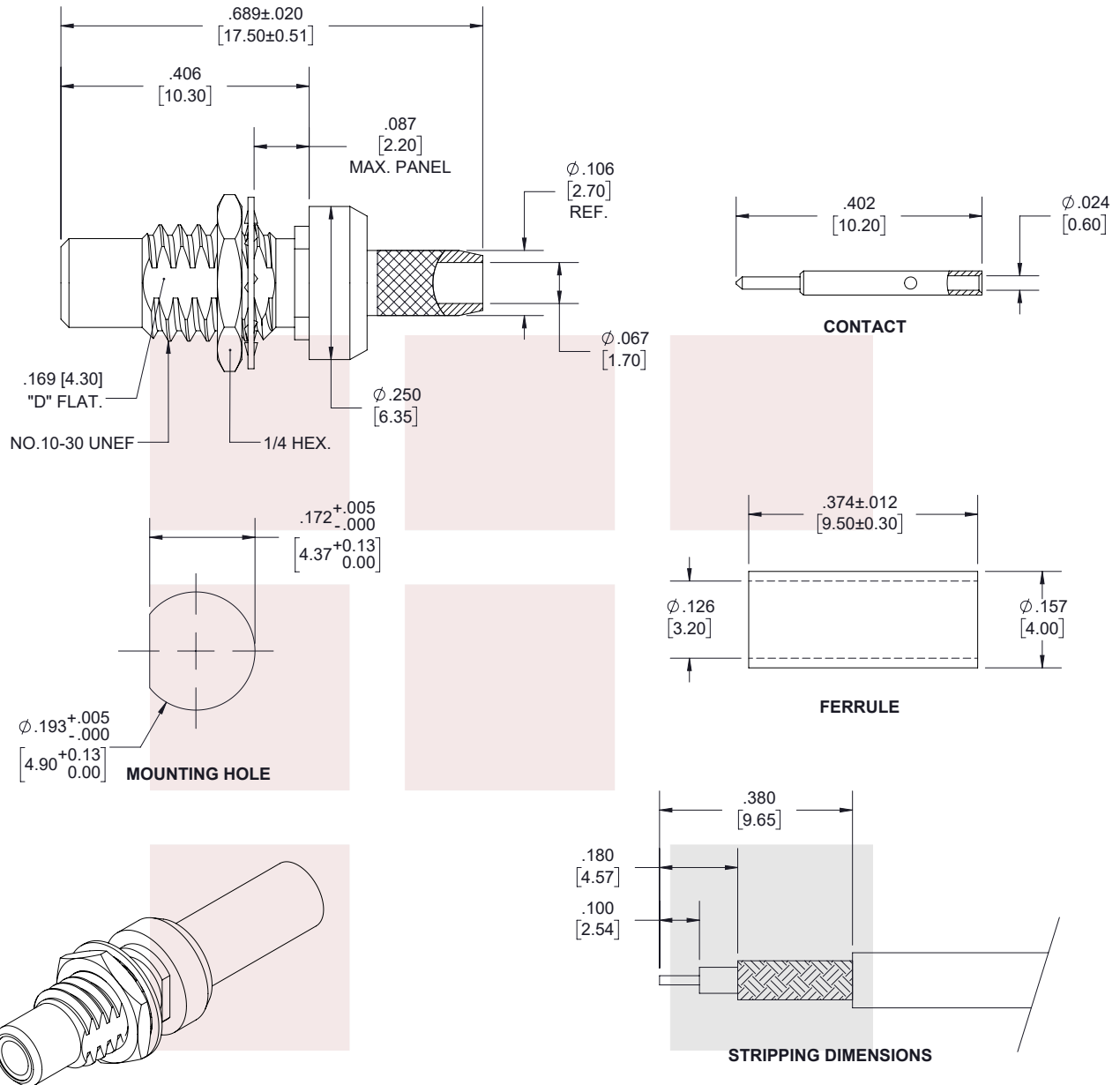
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URL: <https://www.fairviewmicrowave.com/smc-jack-rg174-rg316-rg188-lmr-100-.100-connector-fmcn1547-p.aspx>

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	CAD FILE 06/07/19	SHEET 1 OF 1	SCALE N/A	SIZE A	7361	

RG174 Flexible Coax Cable Black PVC Jacket

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		31.08		pF/ft
		[101.97]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4	27.56	32			dB/100ft
	27.56	90.42	104.99			dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.019 in [0.48 mm]
Conductor Type	Stranded	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Tinned Copper Braid	0.078 in [1.98 mm]
Jacket	PVC, Black	0.11 in [2.79 mm]

Environmental Specifications

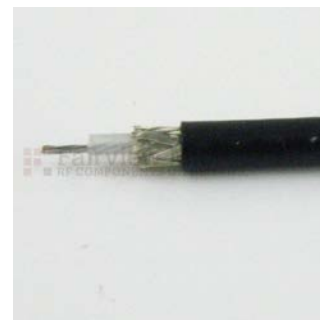
Temperature

Operating Range	-40 to +80 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)

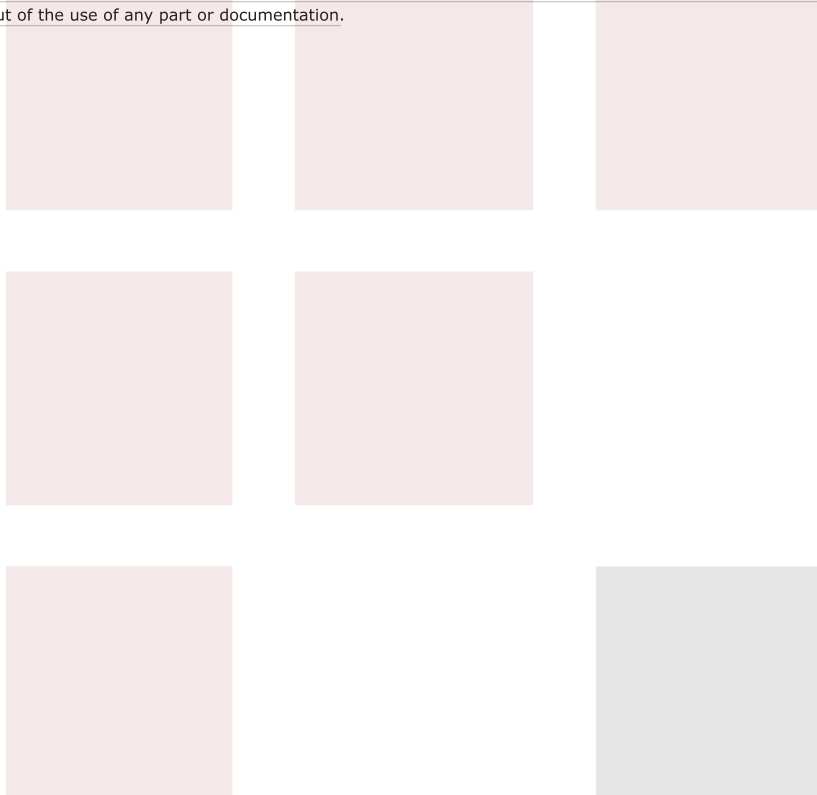
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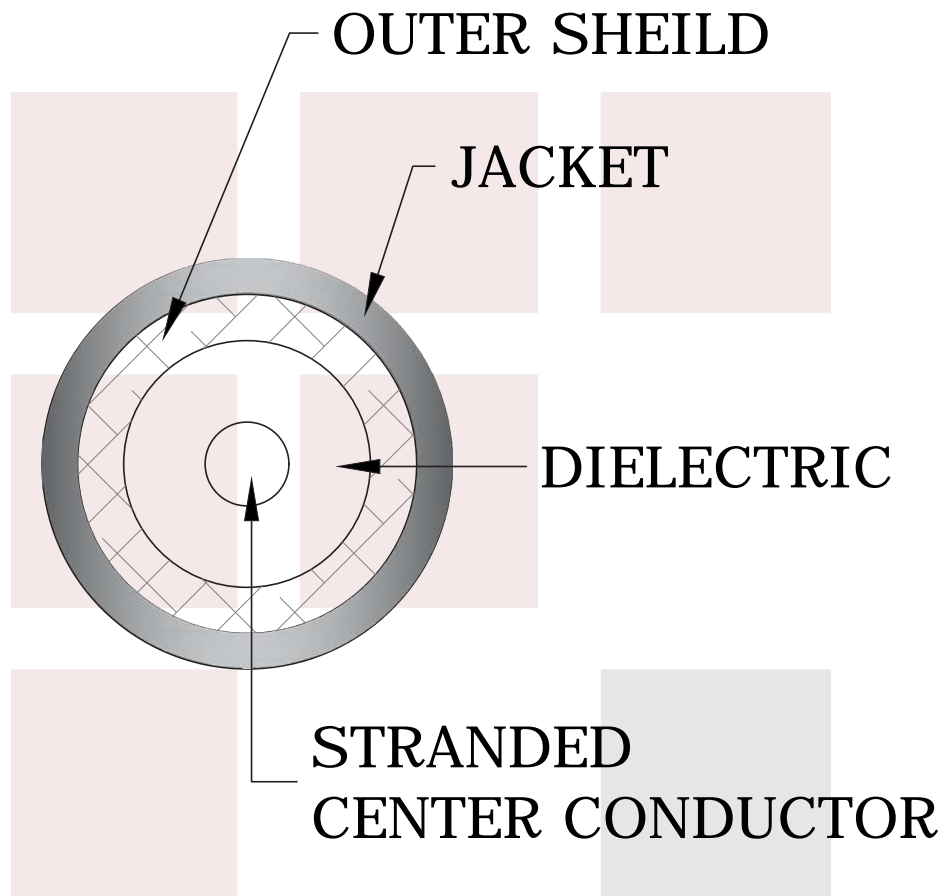
RG174 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG174 Flexible Coax Cable Black PVC Jacket RG174](#)

URL: <https://www.fairviewmicrowave.com/rg174-flexible-coax-cable-pvc-jacket-rg174-p.aspx>

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TITLE RG174 Flexible Coax Cable Black PVC Jacket	DWG NO RG174		CAGE CODE 3FKR5		
	CAD FILE 120315	SHEET	SCALE N/A	SIZE A	5568