

1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole

1.0/2.3 jack bulkhead connector with crimp/solder attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A and LMR-100A-FR (.217 inch DD hole), part number FMCN1820, from Fairview Microwave is in-stock and ships same day. Fairview's FMCN1820 bulkhead 1.0/2.3 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 1.0/2.3 jack bulkhead connector FMCN1820 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.

Mechanical Specifications

Size	
Length	0.97 in [24.64 mm]
Width/Dia.	0.221 in [5.61 mm]
Height	0.156 in [3.96 mm]
Weight	0.008 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Contact		Gold
Insulation	PTFE	
Body	Brass	Gold

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

Plotted and Other Data

Notes:



Configuration:

- 1.0/2.3 Jack Connector
- 50 Ohms
- Straight Body Geometry
- .100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features:

- Gold Plated Contact

Applications:

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

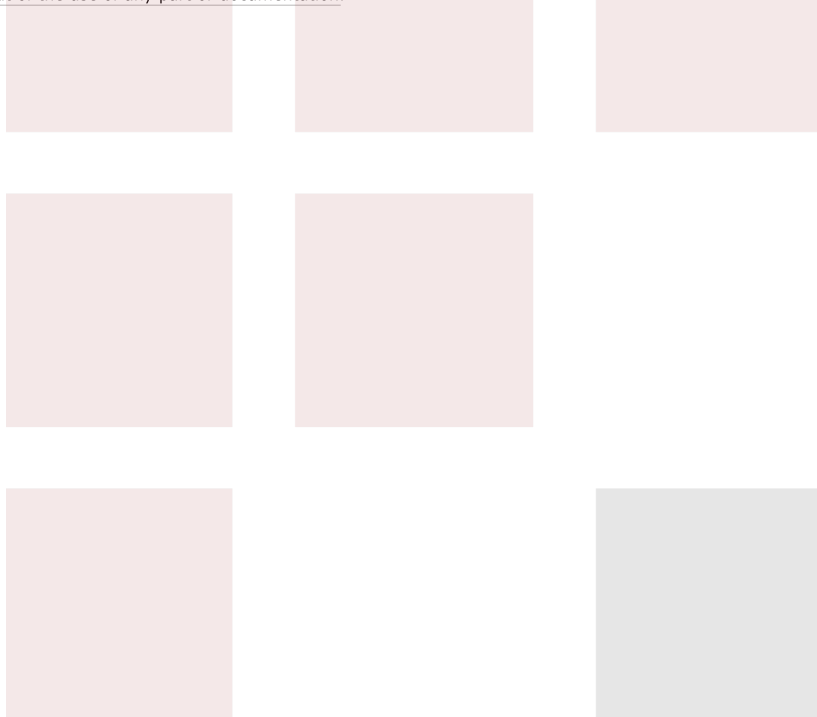
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1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

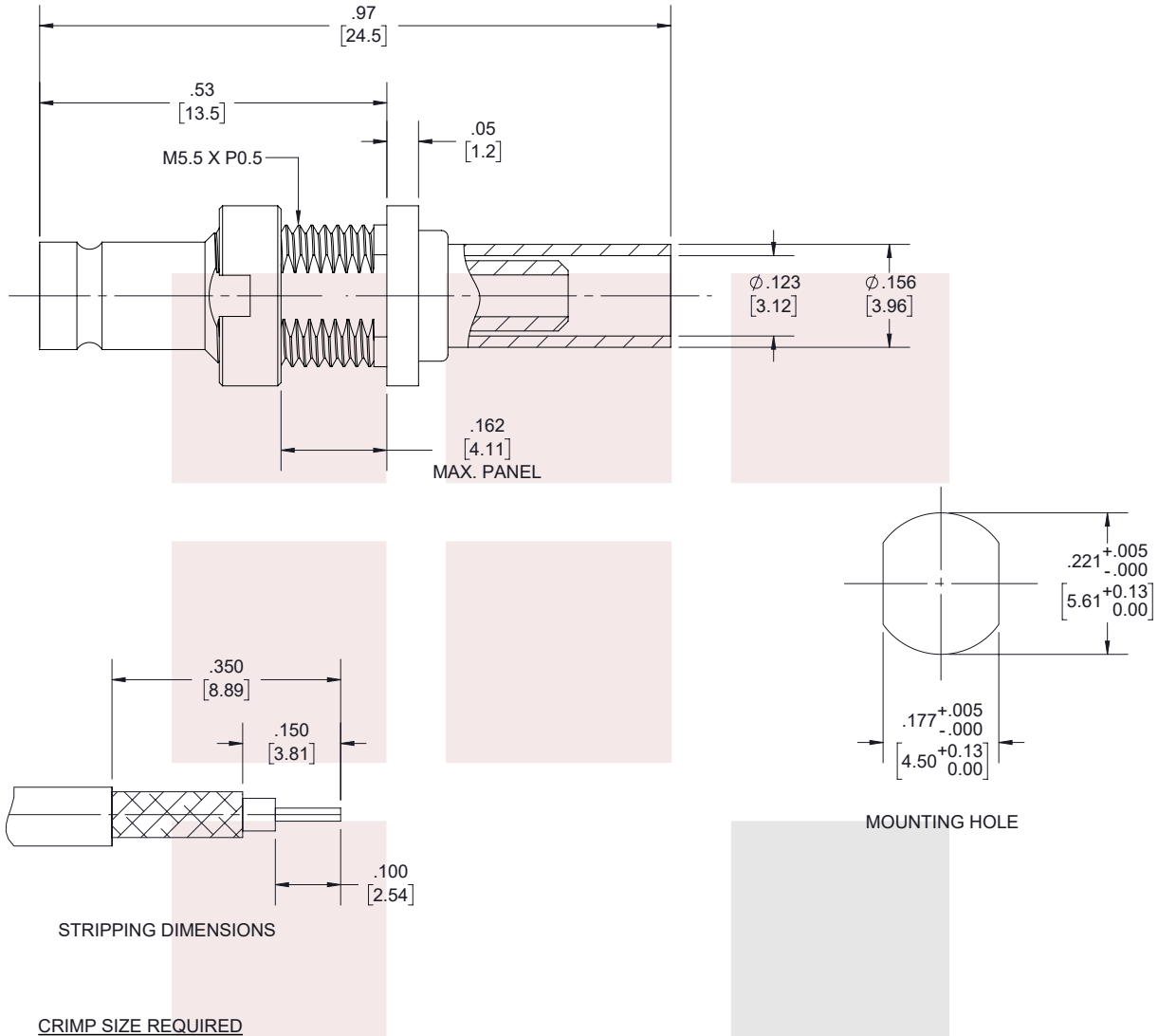
For additional information on this product, please click the following link: [1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole FMCN1820](#)

URL: <https://www.fairviewmicrowave.com/1.0-2.3-jack-.100-rg316-rg174-rg188-lmr-100-lmr-100a-lmr-100a-fr-connector-fmcn1820-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/11/2022	A.GANWANI



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TITLE

1.0/2.3 Jack Bulkhead Connector Crimp/Solder
Attachment For RG174, RG316, RG188, .217 inch DD
Hole

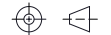
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX = ±.005 [13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1820	REV A
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T-Rev.D

RP SMA Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 Cable



FMCN5248

Configuration

- SMA Plug Reverse Polarity Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG174, RG316, RG188, .100 inch, LMR-100
- 5/16 inch Hex

Features

- Operating Frequency of 12.4 MHz Max.
- Reverse Polarity
- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RP SMA Plug Standard Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch and LMR-100 Cable, part number FMCN5248, from Fairview Microwave is in-stock and ships same day. Our reverse polarity plug configuration uses a plug connector body with an inner contact receptacle. This SMA plug connector operates up to a maximum frequency of 12.4 MHz.

Fairview's RP SMA plug connector FMCN5248 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		12.4	MHz
Dielectric Withstanding Voltage (AC)			750	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.85 in [21.59 mm]
Width	0.313 in [7.95 mm]
Height	0.313 in [7.95 mm]
Weight	0.008 lbs [3.63 g]
Mating Torque	3 to 5 in-lbs [[0.34 to 0.57 Nm]]

RP SMA Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 Cable



FMCN5248

Material Specifications

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

Environmental Specifications

Temperature

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

Plotted and Other Data

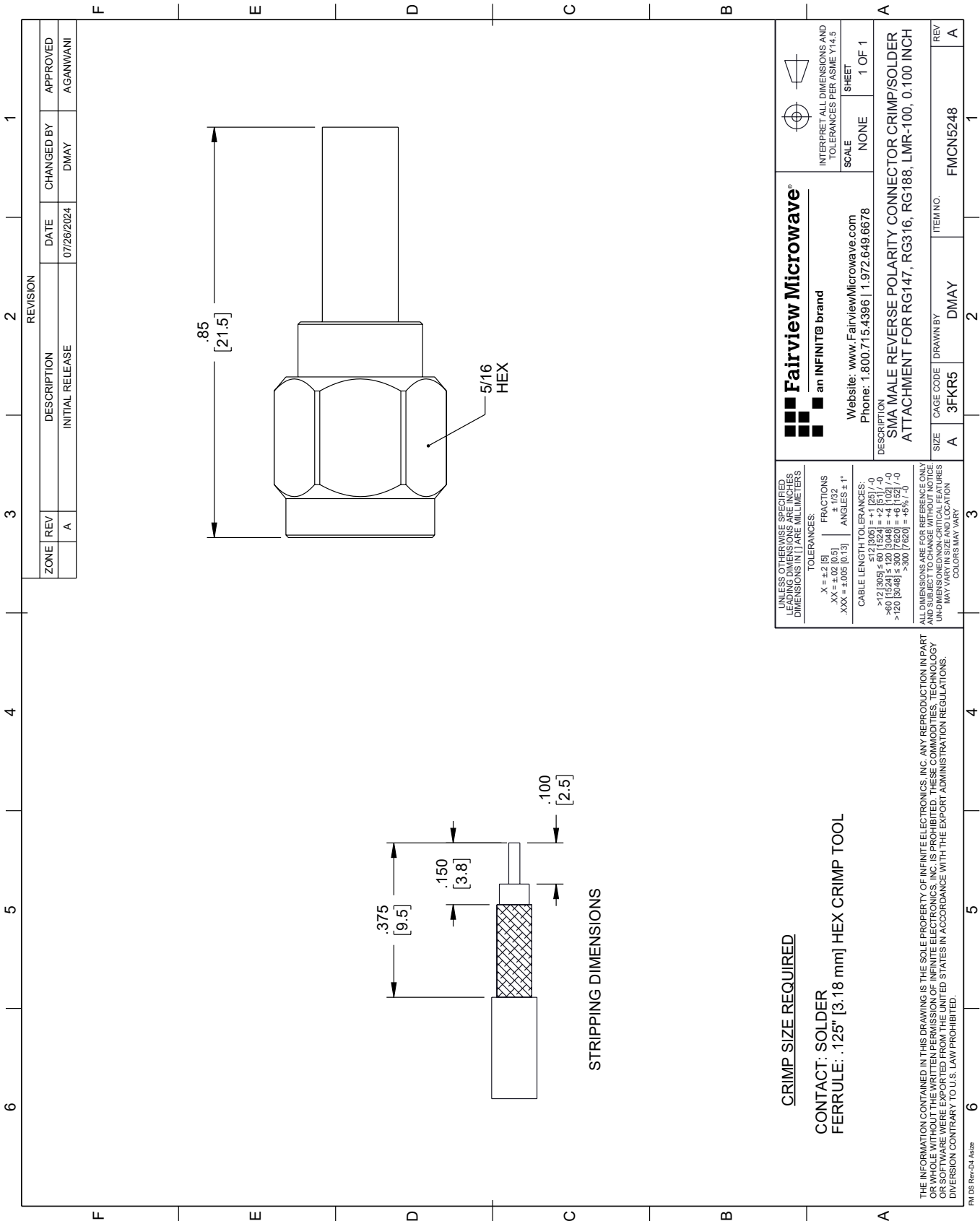
Notes:

RP SMA Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 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: [RP SMA Plug Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, LMR-100 Cable FMCN5248](#)

URL: <https://www.fairviewmicrowave.com/sma-plug-reverse-polarity-rg174-rg316-rg188-.100-lmr-100-connector-fmcn5248-p.aspx>

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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)

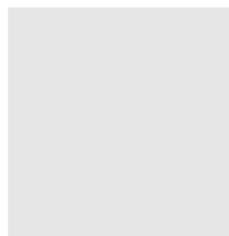
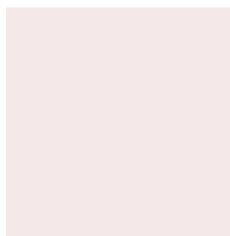
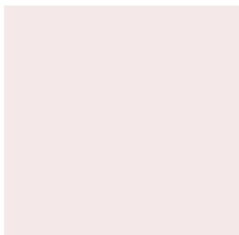
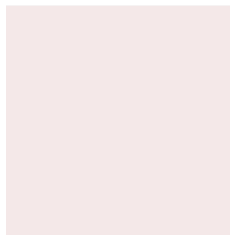
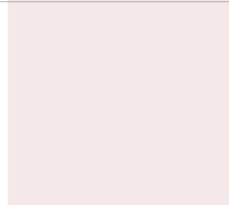
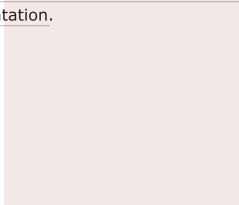
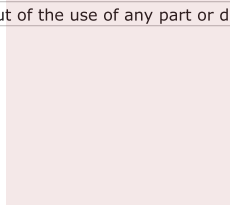
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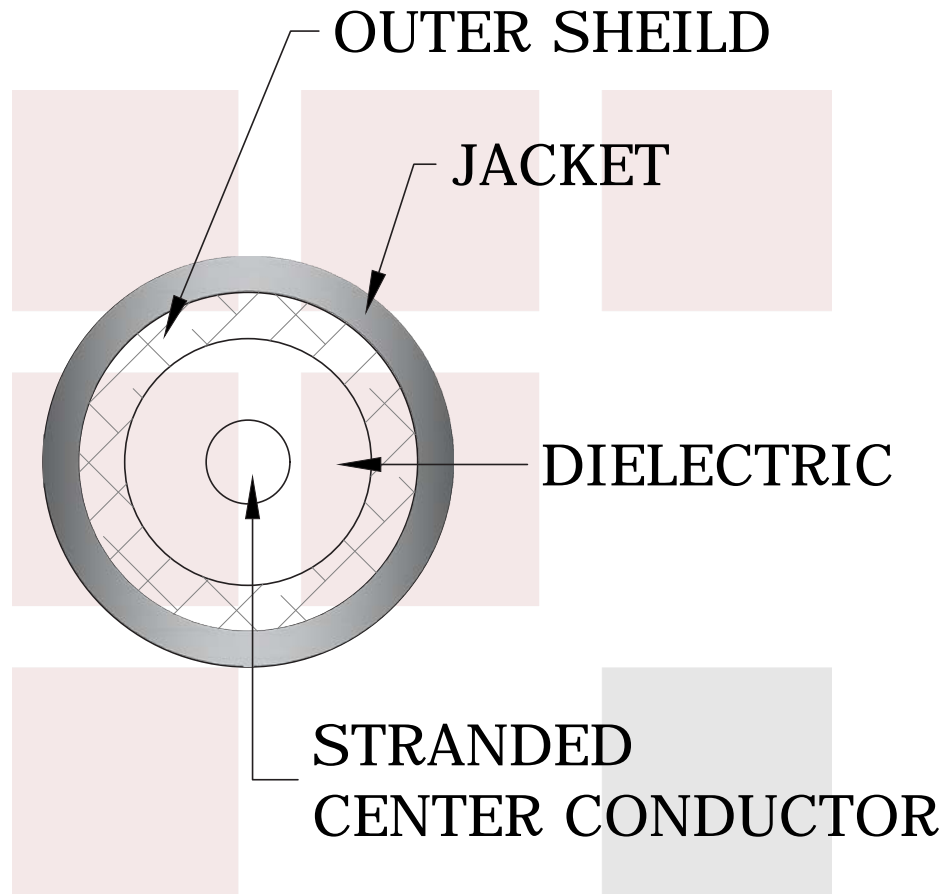
RG174 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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