

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

MMCX plug connector with crimp/solder attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A and LMR-100A-FR, part number SC9513, from Fairview Microwave is in-stock and ships same day. This MMCX plug connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Fairview's MMCX plug connector SC9513 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		6	GHz
VSWR			1.25:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size	
Length	0.429 in [10.9 mm]
Width/Dia.	0.177 in [4.50 mm]
Weight	0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum

Environmental Specifications

Temperature

Operating Range -55 to +155 deg C

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

Plotted and Other Data

Notes:



Configuration:

- MMCX Plug Connector
- BS EN 122340
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

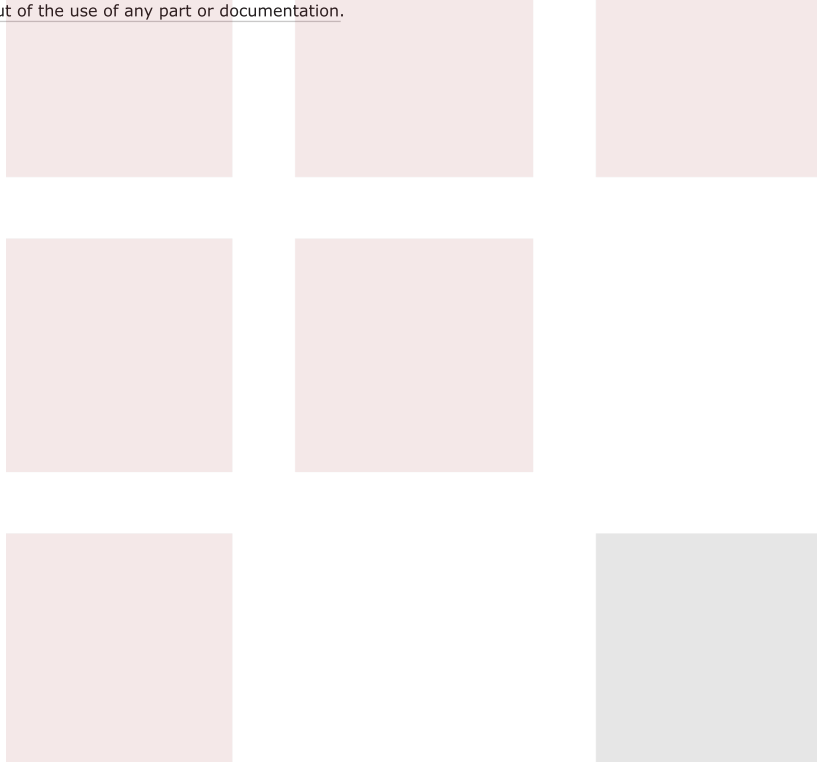
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MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from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

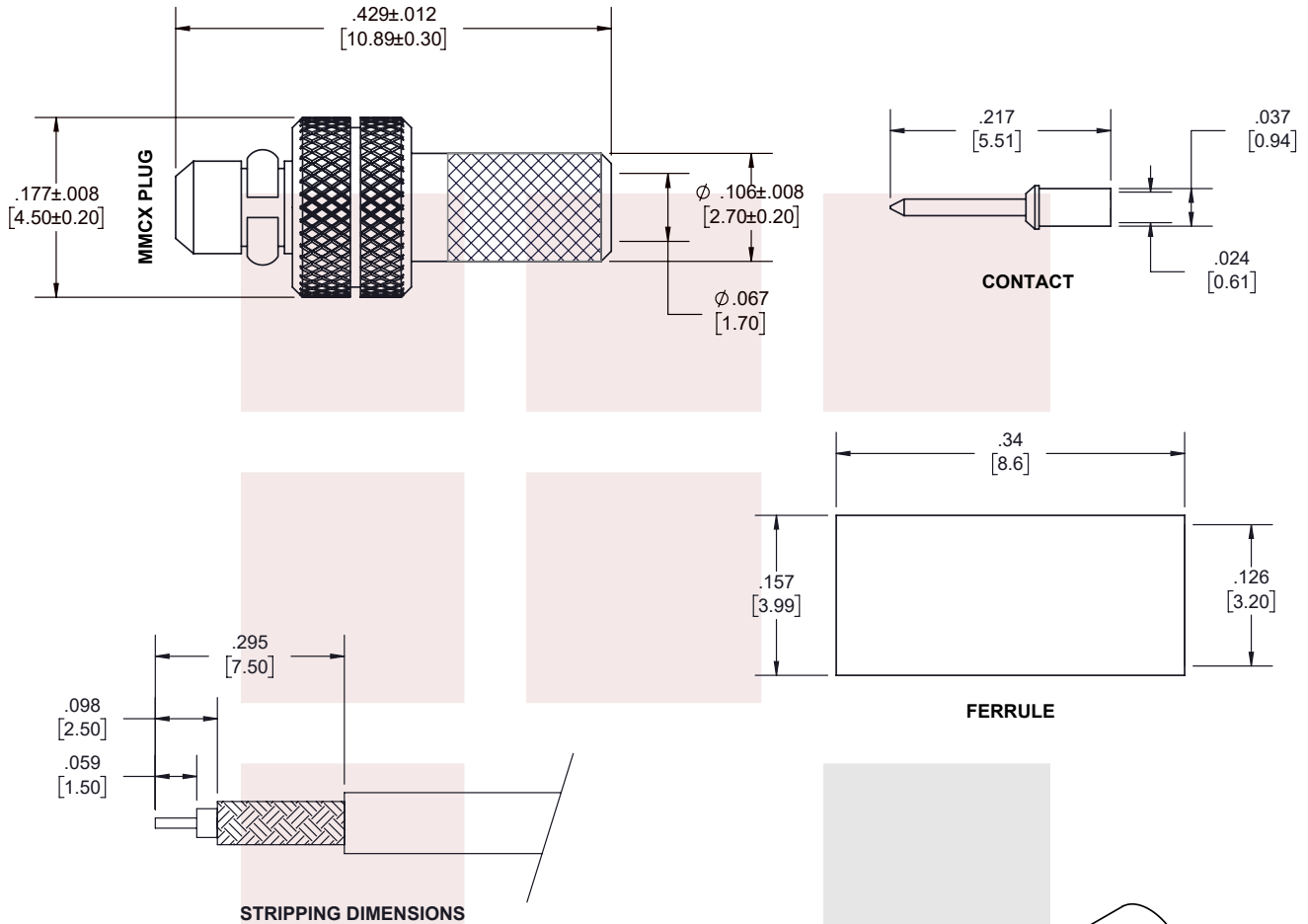
For additional information on this product, please click the following link: [MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC9513](#)

URL: <https://www.fairviewmicrowave.com/mmcx-plug-standard-rg316-rg174-connector-sc9513-p.aspx>

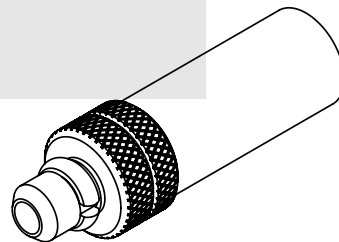
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE4896	12/3/2020	S.ELLIS



- NOTES:
- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: CRIMP.
 - CRIMP SIZE REQUIRED:
 - FERRULE: .138 [3.50] HEX. CRIMP TOOL.
 - CONTACT: .026 [0.67] HEX. CRIMP TOOL.



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<p>Fairview Microwave an INFINIT[®] brand</p>	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 	
	TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
TITLE MMCX Plug Connector Crimp/Solder Attachment For RG316, RG174, RG188, 0.100 inch, LMR-100, LMR- 100A, LMR-100A-FR Cable	.X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [51] ANGLES ± 1° .XXX = ±.005 [13]	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	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
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SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. SC9513	REV A

T-Rev.D

MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable

MCX plug connector with crimp/solder attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A and LMR-100A-FR, part number SC9413A, from Fairview Microwave is in-stock and ships same day. This MCX plug connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.35:1.

Fairview's MCX plug connector SC9413A 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		3	GHz
VSWR			1.35:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size	
Length	0.62222 in [15.8 mm]
Width/Dia.	0.217 in [5.51 mm]
Weight	0.009 lbs [4.08 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C

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

Plotted and Other Data

Notes:



Configuration:

- MCX Plug Connector
- CECC 22220
- 50 Ohms
- Straight Body Geometry
- RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 3 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

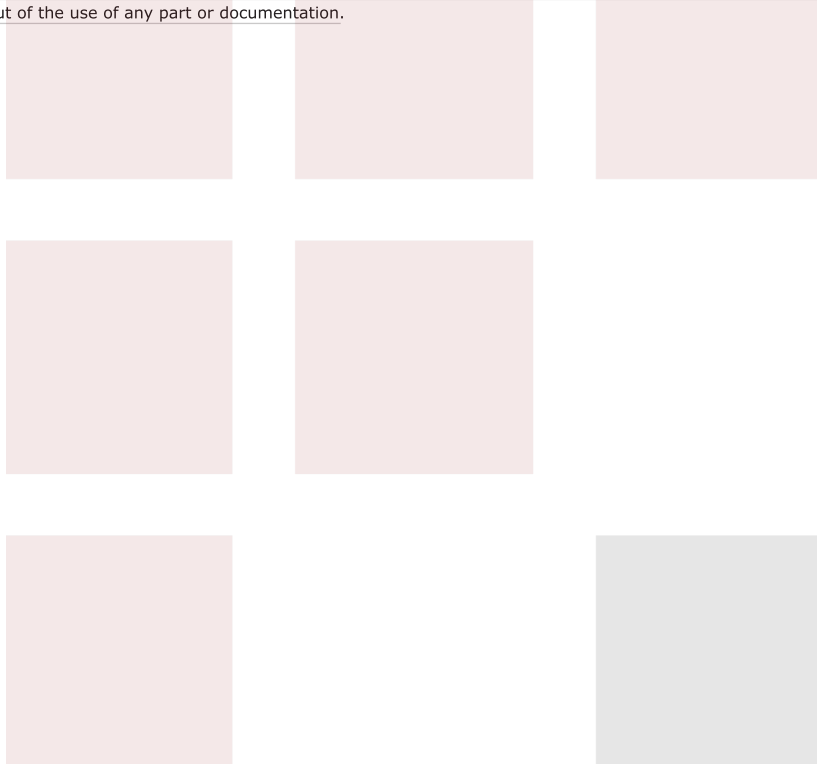
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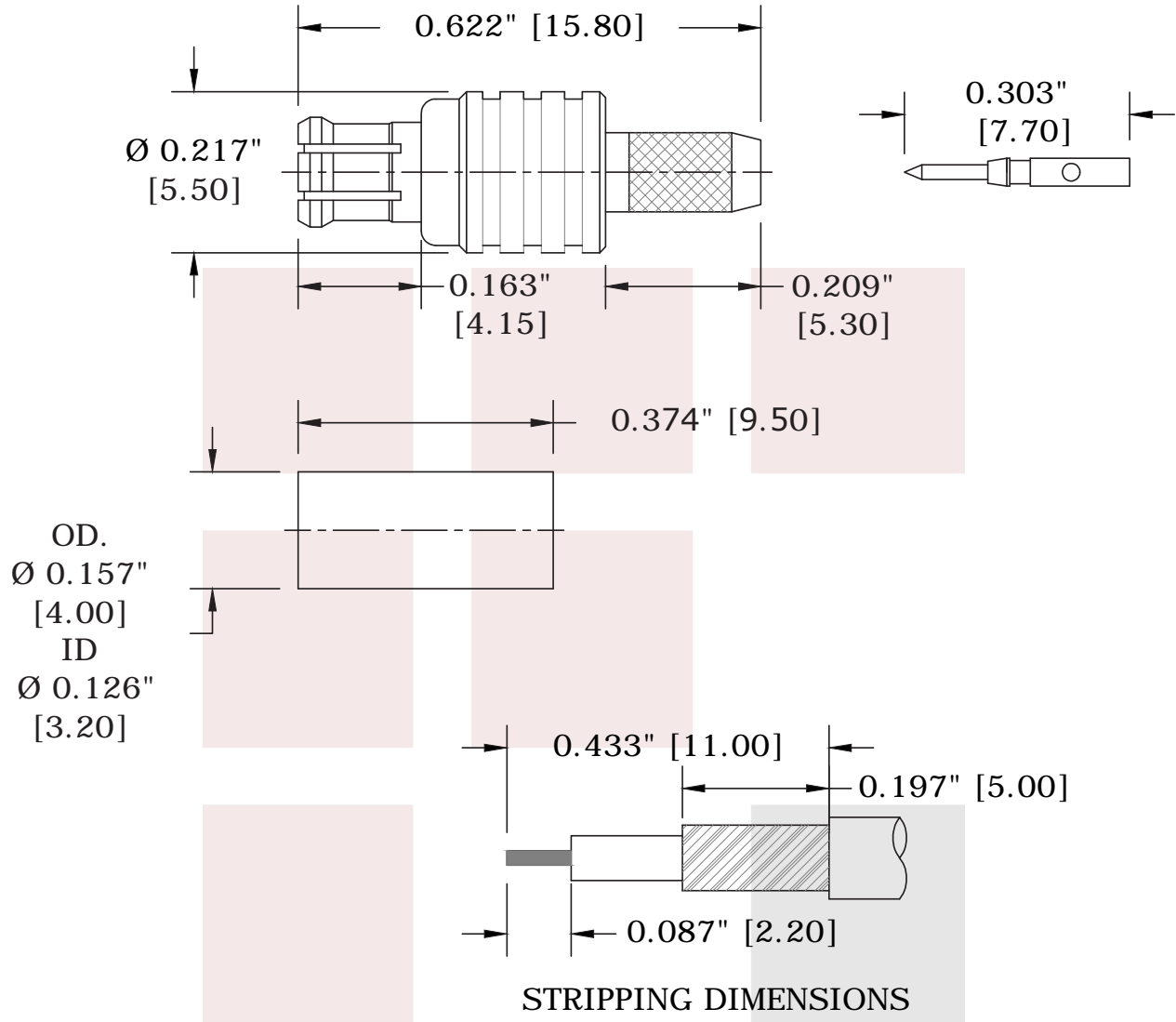
MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas.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

For additional information on this product, please click the following link: [MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR-100A, LMR-100A-FR Cable SC9413A](#)

URL: <https://www.fairviewmicrowave.com/mcx-plug-rg-316-rg-174-connector-sc9413a-p.aspx>

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TITLE MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188, 0.100 inch, LMR-100, LMR- 100A, LMR-100A-FR Cable		DWG NO SC9413A	CAGE CODE 3FKR5	
CAD FILE	011415	SHEET	SCALE N/A	SIZE A 5568

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 dB/100m
	27.56	90.42	104.99			

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

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

Plotted and Other Data

Notes:



Configuration:

- Flexible Cable
- 1 Shield(s)

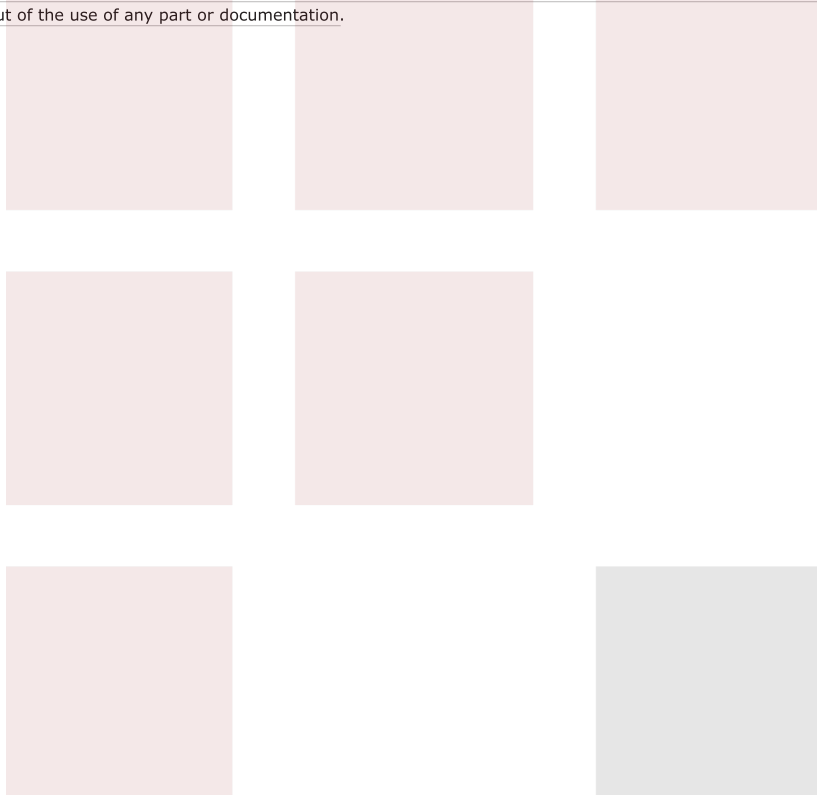
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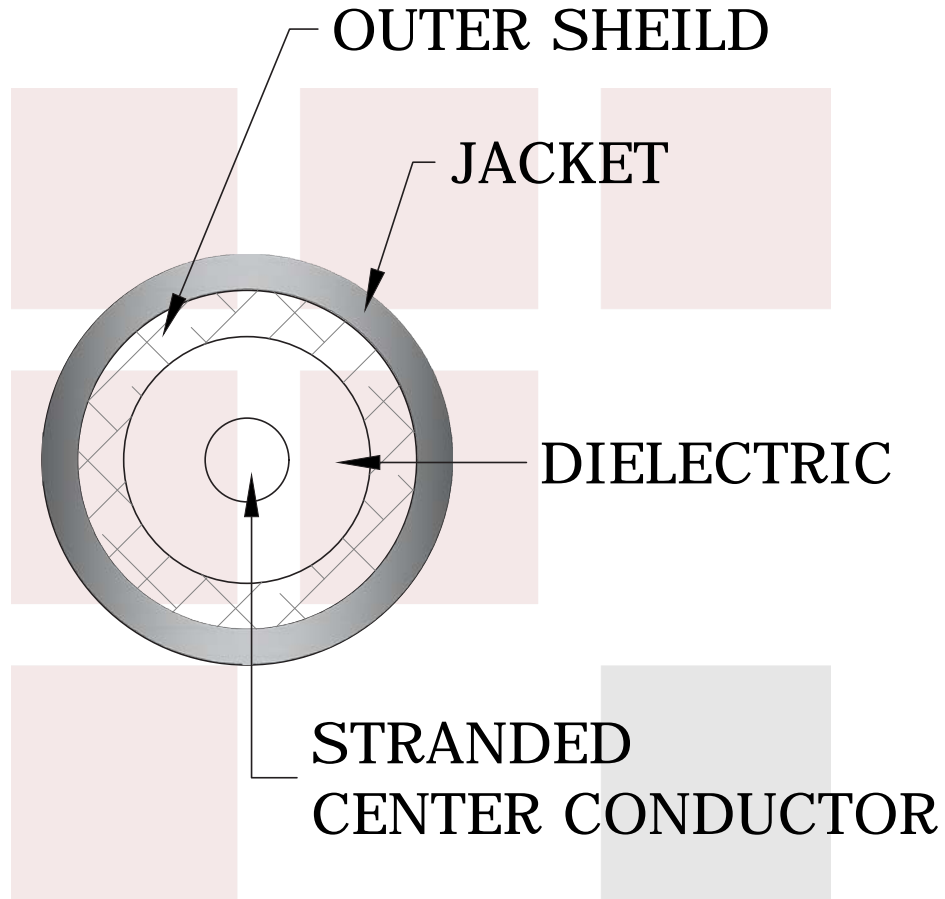
RG174 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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