

C Male Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393 Cable

Type C male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393, part number FMCN1373, from Fairview Microwave is in-stock and ships same day.

Fairview's type C male connector FMCN1373 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	1.5 in [38.1 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.066 lbs [29.94 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

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

Plotted and Other Data

Notes:



Configuration:

- C Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features:

- Silver Plated Contact
- Contact plating according to QQ-S-365

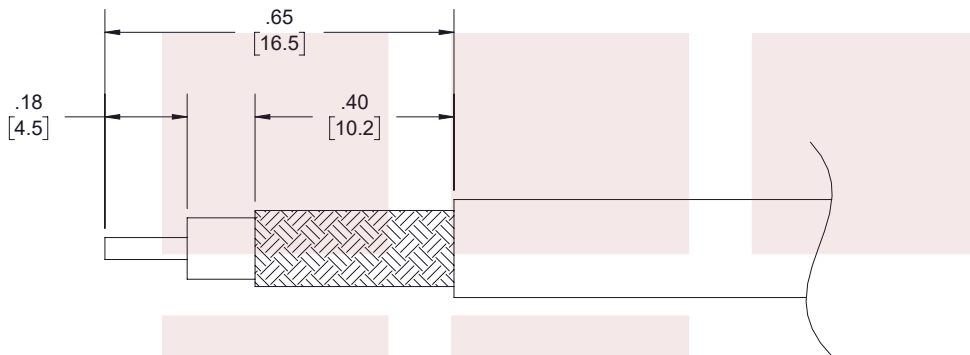
Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Assembly Instruction

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ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
3. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

CRIMP SIZE REQUIRED

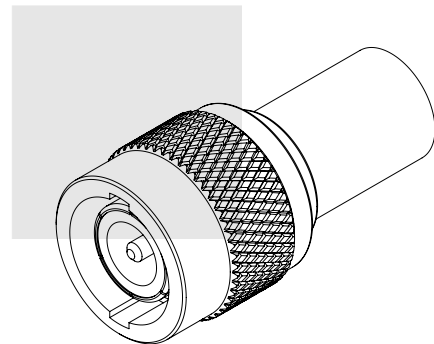
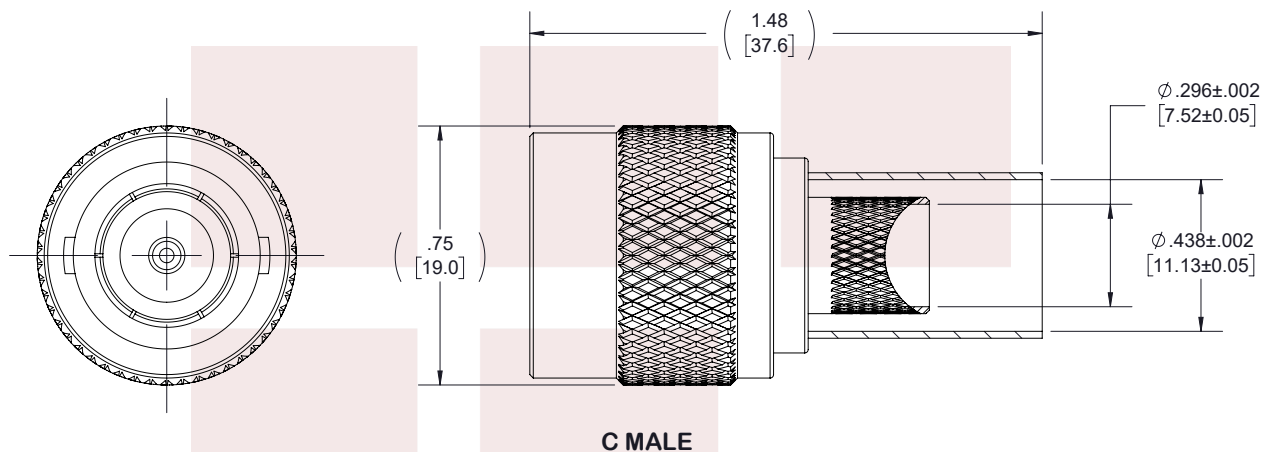
- CONTACT: SOLDER.
- FERRULE: .429 HEX CRIMP TOOL.

C Male Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393 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: [C Male Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393 Cable FMCN1373](https://www.fairviewmicrowave.com/c-male-rg214-rg9-rg225-rg393-connector-fmcn1373-p.aspx)

URL: <https://www.fairviewmicrowave.com/c-male-rg214-rg9-rg225-rg393-connector-fmcn1373-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

FAIRVIEW MICROWAVE INC.

ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

TITLE

C Male Connector Crimp/Solder Attachment For
RG214, RG9, RG225, RG393 Cable

DWG NO

FMCN1373

CAGE CODE

3FKR5

CAD FILE

110917

SHEET

1 OF 1

SCALE

N/A

SIZE

A 7361

20KV Male Connector Crimp/Solder Attachment for RG214 Cable

The Fairview Microwave FMCN45842 is designed for high voltage applications and is rated to 20KV. This 20KV male connector utilizes crimp/solder attachment for the contact. Our 20KV male coax connector from Fairview Microwave has an interface type of RG214.

The Fairview Microwave 20KV male coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 20KV coax cable connector has a brass body with nickel over copper plating. Our 20KV male connector uses beryllium copper contact with gold over nickel over copper plating material. This 20KV male coax RF connector is RoHS and REACH compliant, you can find this 20KV male coax connector datasheet specifications above.

Fairview Microwave standard straight male 20KV connector will ship the same day. Our 20KV standard straight male high voltage connector is part of over one million RF, microwave, and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom standard cable assemblies that will ship quickly from our location.

Electrical Specifications

Description	Min	Typ	Max	Units
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size	
Length	3.9 in [99.06 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.018 lbs [8.16 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over nickel over copper
Contact Spring		Nickel over Copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Nickel Over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel over Copper
Washer	Brass	Nickel over Copper



Configuration:

- 20KV Male Connector
- MIL-STD-202
- Straight Body Geometry
- RG214 Interface Type
- Crimp/Solder Attachment

Features:

- Gold over nickel over copper Plated Beryllium Copper Contact
- High Density PE Insulator

Applications:

- General Purpose Test
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

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Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

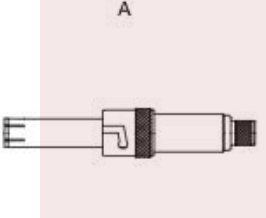
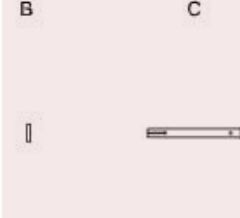




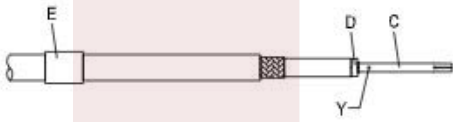
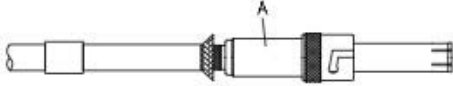
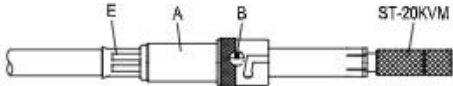
Temperature	
Operating Range	-55 to +85 deg C
Salt Spray	MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

Assembly Instruction

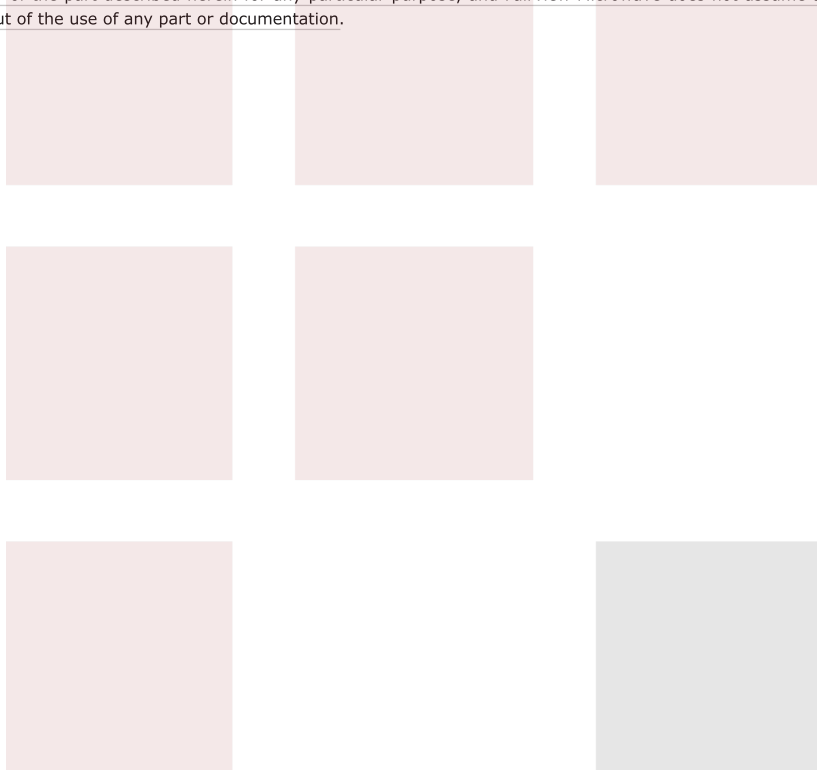
				
BODY	INTERFACE GASKET	CONTACT PIN	GASKET	FERRULE
DIAGRAM		ASSEMBLY INSTRUCTION		
		Step 1: STRIP AS SHOWN.		
		Step 2: SLIDE FERRULE "E" OVER CABLE. Step 3: PUT GASKET "D" AND PIN "C" ON CENTER CONDUCTOR AND SOLDER IN "Y". ※ GASKET MUST BE UNDER COMPRESSION AFTER SOLDERING IS COMPLETED.		
		Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.		
		Step 5: SLIDE FERRULE "E" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C) STEP 6: USE LOCATOR TOOL "ST-20KVM" TO INSTALL INTERFACE GASKET "B" OVER CONTACT PIN.		

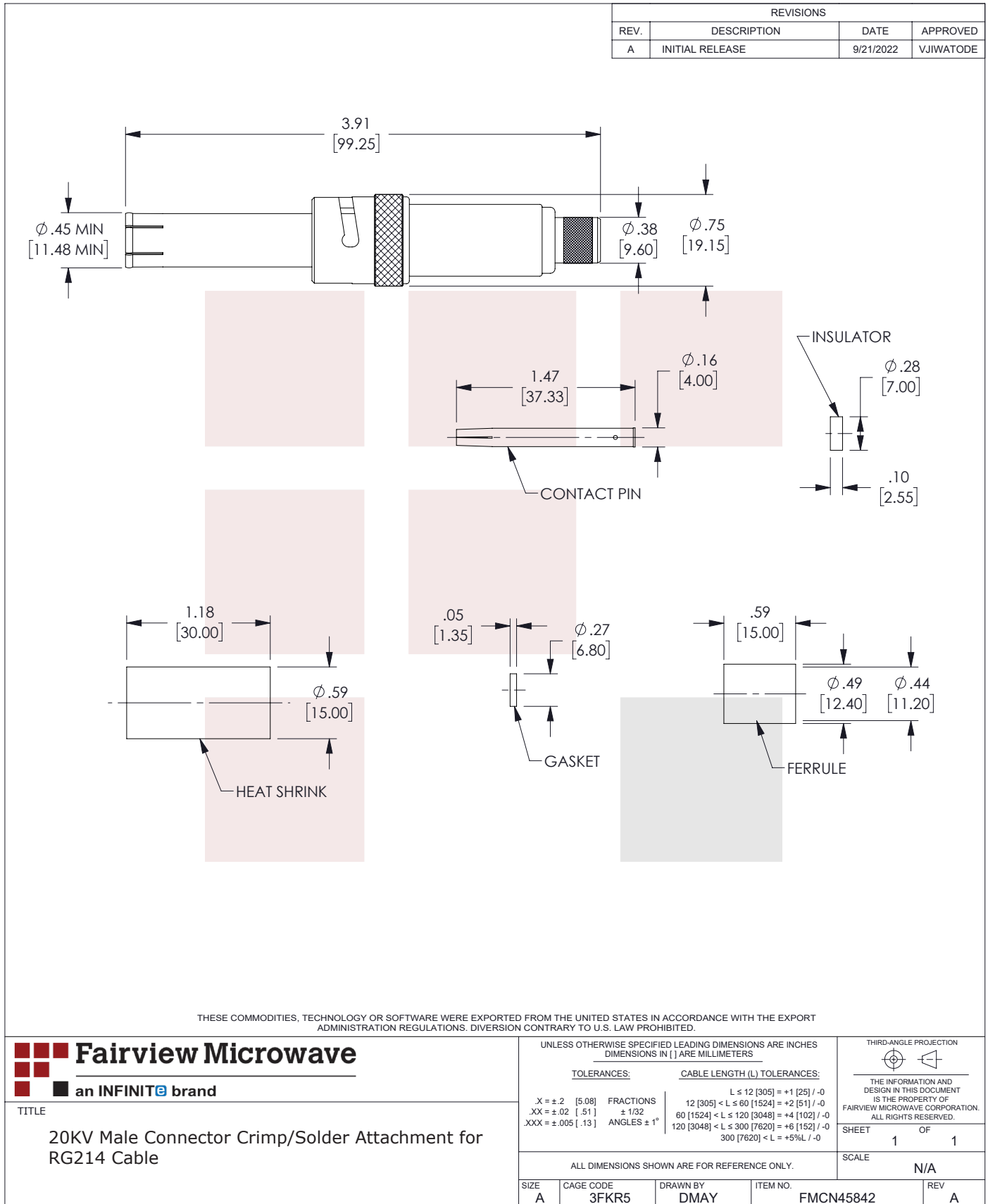
20KV Male Connector Crimp/Solder Attachment for RG214 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20KV Male Connector Crimp/Solder Attachment for RG214 Cable FMCN45842](#)

URL: <https://www.fairviewmicrowave.com/20kv-male-rg214-connector-fmcn45842-p.aspx>

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T-Rev.D

RG393 Flexible Coax Cable Tan FEP Jacket

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Nominal Capacitance		29.4		pF/ft
		[96.46]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Power In (CW), Max	25,000	6,300	1,700	620	350	Watts

Mechanical Specifications

Diameter	0.39 in [9.91 mm]
Weight	0.1575 lbs/ft [0.23 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands	0.094 in [2.39 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid 90% coverage	0.313 in [7.95 mm]
Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in [8.66 mm]
Jacket	FEP, Tan	0.39 in [9.91 mm]

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Flexible Cable
- 2 Shield(s)

Features:

- 50 Ohm Impedance
- Stranded Silver Plated Copper Center Conductor
- PTFE Dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in Diameter

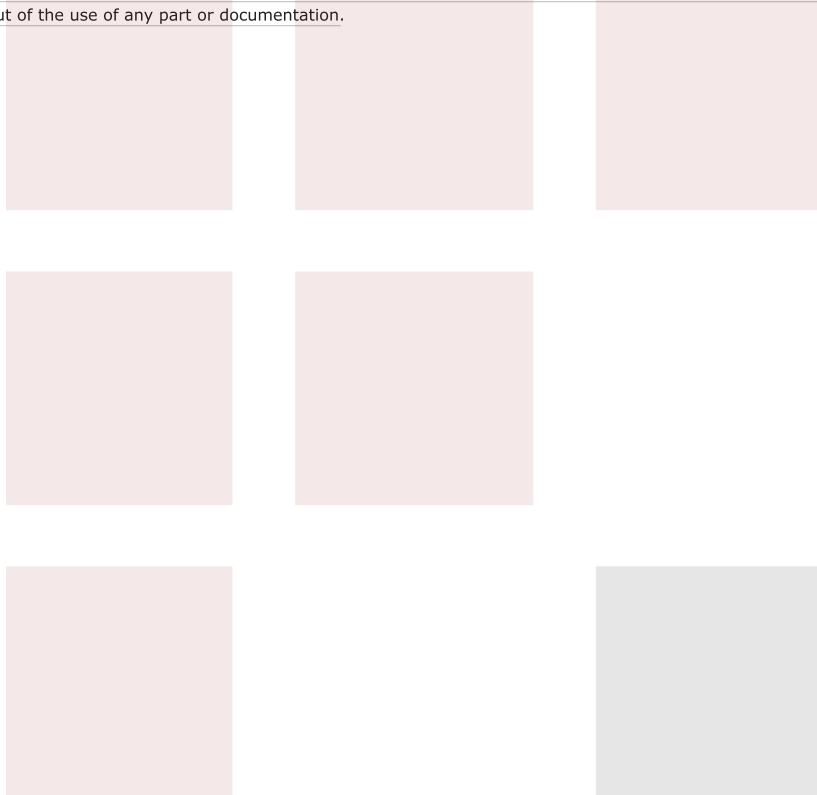
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RG393 Flexible Coax Cable Tan FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

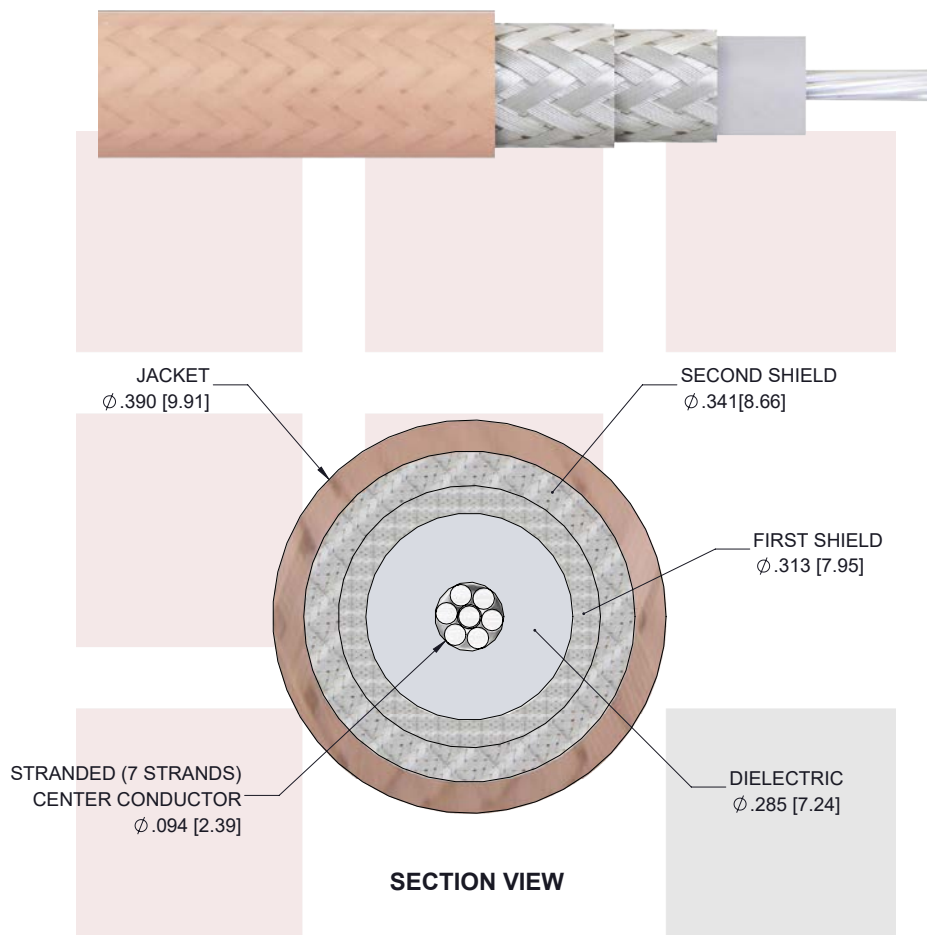
Click the following link to obtain additional part information: [RG393 Flexible Coax Cable Tan FEP Jacket RG393](#)

URL: <https://www.fairviewmicrowave.com/rg393-flexible-coax-cable-fep-jacket-rg393-p.aspx>


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/7/2020	S.ELLIS



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TITLE						SHEET 1 OF 1	
RG393 Flexible Coax Cable Tan FEP Jacket		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. RG393			REV A	

T-Rev.D