

10KV Male Connector Crimp/Solder Attachment for RG58 Cable

The Fairview Microwave FMCN45836 is designed for high voltage applications and is rated to 10KV. This 10KV male connector utilizes crimp/solder attachment for the contact. Our 10KV male coax connector from Fairview Microwave has an interface type of RG58.

The Fairview Microwave 10KV male coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 10KV coax cable connector has a brass body with nickel over copper plating. Our 10KV male connector uses beryllium copper contact with gold over nickel over copper plating material. This 10KV male coax RF connector is RoHS and REACH compliant, you can find this 10KV male coax connector datasheet specifications above.

Fairview Microwave standard straight male 10KV connector will ship the same day. Our 10KV 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)			10,000	Vdc
Test Voltage (DC)			15,000	Vdc
Inner Cond. DC Resistance			3	mOhms
Outer Cond. DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size	
Length	2.5 in [63.5 mm]
Width/Dia.	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]
Weight	0.016 lbs [7.26 g]

Material Specifications

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



Configuration:

- 10KV Male Connector
- MIL-STD-202
- Straight Body Geometry
- RG58 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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Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

Salt Spray







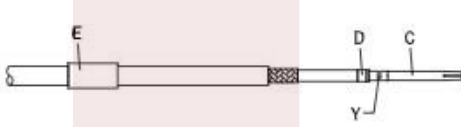
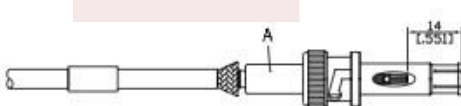
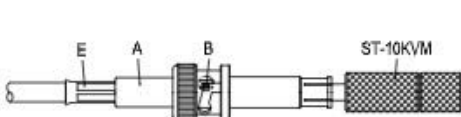
MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

Assembly Instruction

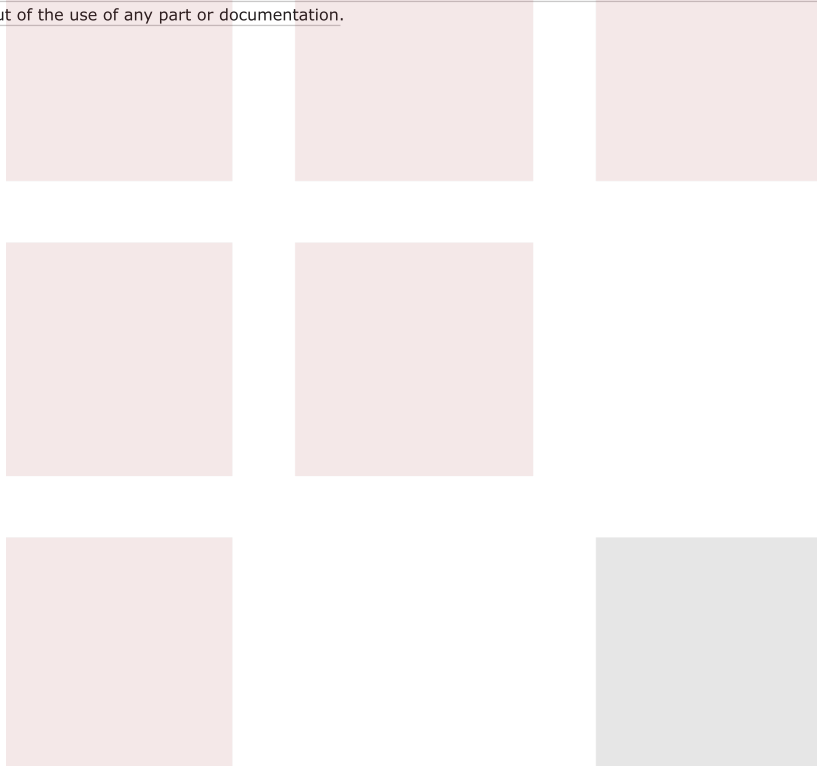
				
BODY	INTERFACE GASKET	CONTACT PIN	GASKET	FERRULE
DIAGRAM	ASSEMBLY INSTRUCTION			
	Step 1: STRIP AS SHOWN.			
	Step 2: SLIDE FERRULE "E" OVER CABLE. Step 3: PUT GASKET "D" AND PIN "C" ON CENTER CONDUCTOR AND SOLDER IN "Y". ※ GASKET MUST BE UNDER COMPRESSION AFTER SOLDERING IS COMPLETED.			
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.			
	STEP 5: SLIDE FERRULE "E" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 5.5MM/0.217INCH HEX SECTION OF INSERT-B) STEP 6: USE LOCATOR TOOL "ST-10KVM" TO INSTALL INTERFACE GASKET "B" OVER CONTACT PIN.			

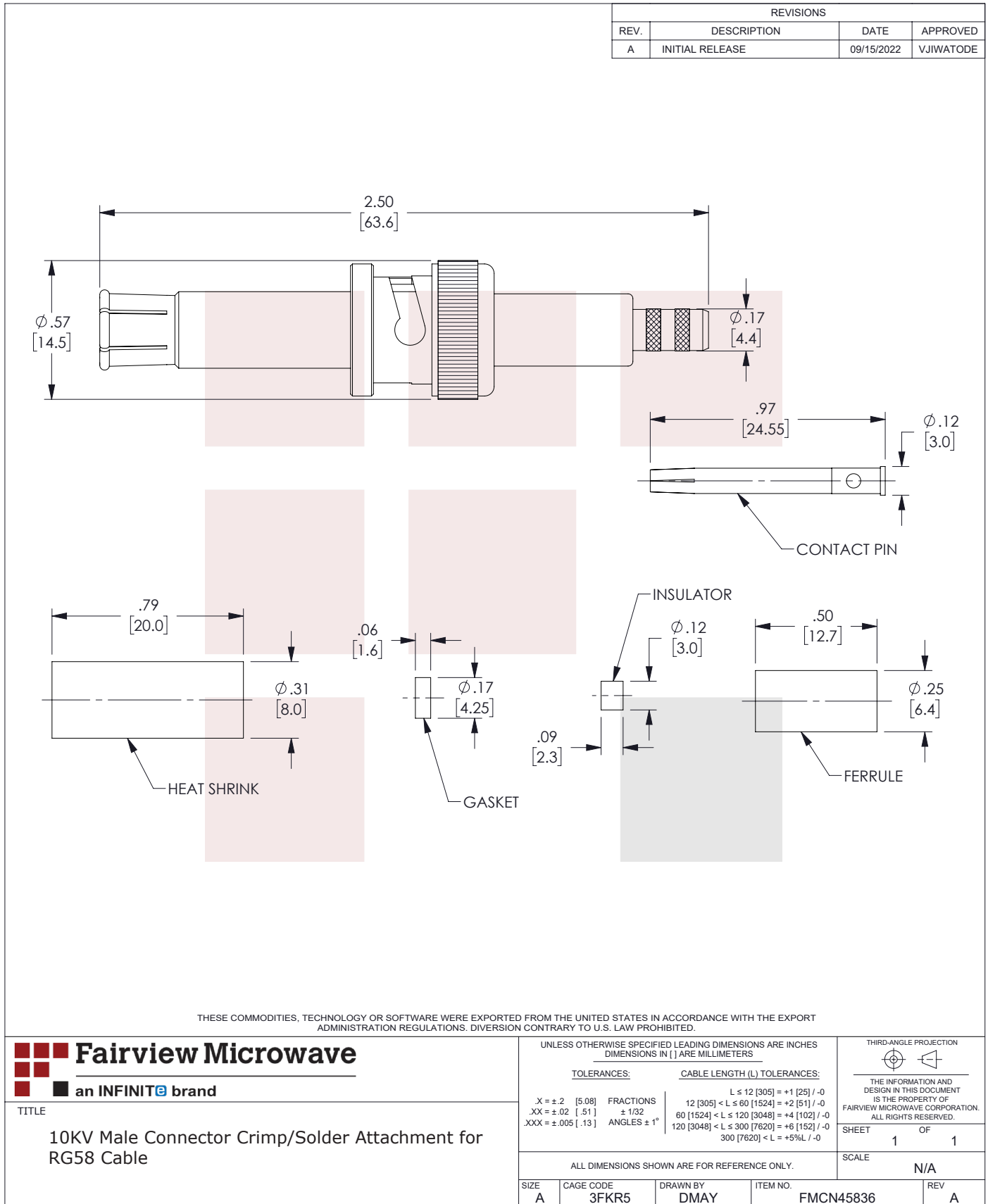
10KV Male Connector Crimp/Solder Attachment for RG58 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [10KV Male Connector Crimp/Solder Attachment for RG58 Cable FMCN45836](#)

URL: <https://www.fairviewmicrowave.com/10KV-male-rg58-connector-fmcn45836-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





T-Rev.D

RA BNC Male Connector Crimp/Crimp Attachment For RG58 Cable

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		3	GHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size	
Length	1.345 in [34.16 mm]
Width/Dia.	0.571 in [14.50 mm]
Height	1.15 in [29.21 mm]
Weight	0.055 lbs [24.95 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Nickel 100μ in. minimum
Coupling Nut	Brass	Nickel 100μ in. minimum

Environmental Specifications

Temperature	
Operating Range	-65 to 165 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015



Configuration:

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG58 Interface Type
- Crimp/Crimp Attachment

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Plotted and Other Data

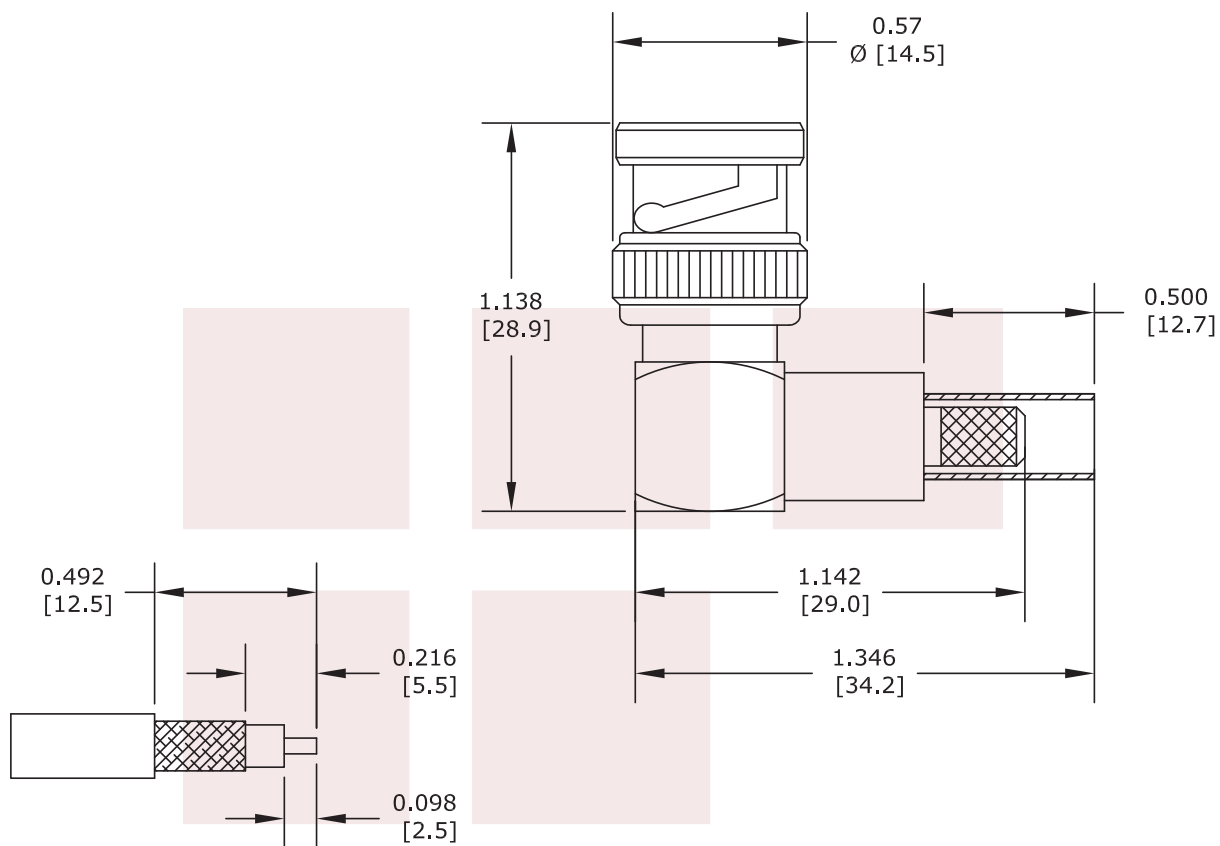
Notes:

RA BNC Male Connector Crimp/Crimp Attachment For RG58 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: [RA BNC Male Connector Crimp/Crimp Attachment For RG58 Cable FMCN1149](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-rg58-connector-fmcn1149-p.aspx>

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE & CRIMP CONTACT TO CENTER CONDUCTOR.
2. INSTALL CABLE INTO BODY. PUSH CABLE FORWARD UNTIL CONTACT IS IN THE CORRECT POSITION.
3. CRIMP FERRULE

CRIMP SIZE REQUIRED

CONTACT: .071" HEX CRIMP TOOL
FERRULE: .216" HEX CRIMP TOOL

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 RA BNC Male Connector Crimp/Crimp Attachment For RG58 Cable	DWG NO FMCN1149		CAGE CODE 3FKR5		
	CAD FILE 071916	SHEET	SCALE N/A	SIZE A	2233

RG58 Flexible Coax Cable Black PVC Jacket

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8		pF/ft
		[101.05]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5		GHz
Attenuation, Typ	1.4	4.9	20	60		dB/100ft
	4.59	16.08	65.62	196.85		dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.025 lbs/ft [0.04 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 7 Strands	0.036 in [0.91 mm]
Conductor Type	Stranded	
Dielectric	PE	0.116 in [2.95 mm]
First Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	PVC, Black	0.195 in [4.95 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)

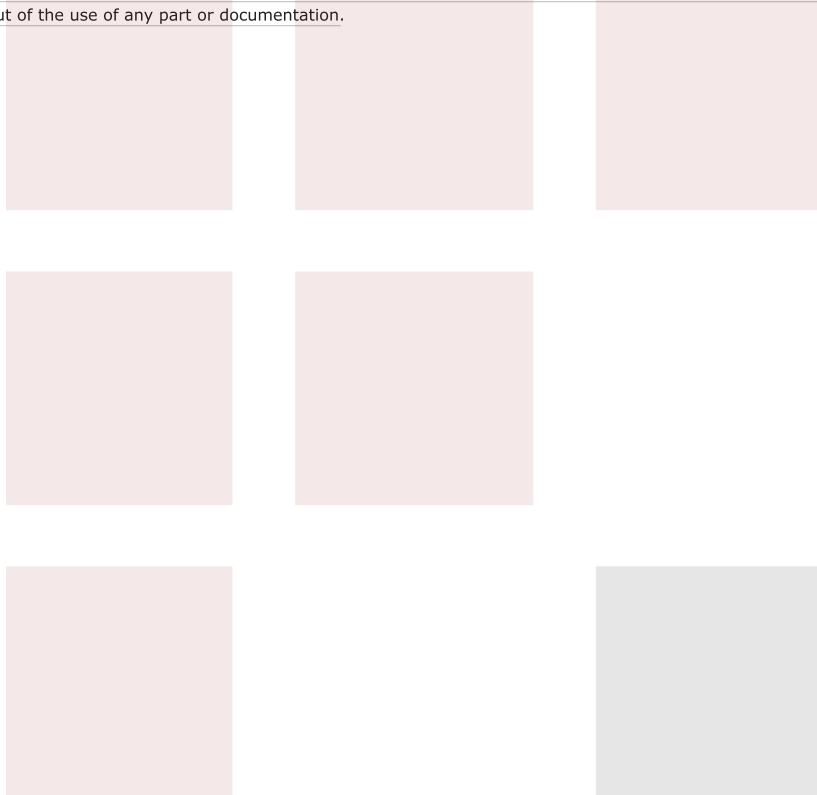
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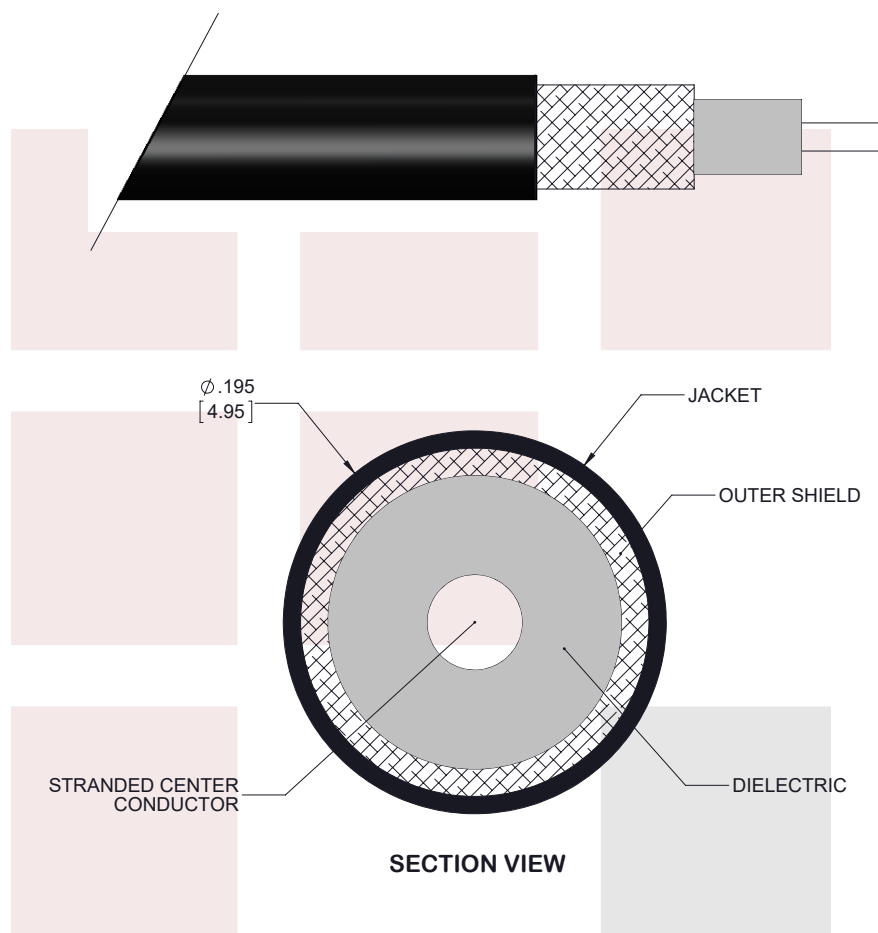
RG58 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG58 Flexible Coax Cable Black PVC Jacket RG58CU](#)

URL: <https://www.fairviewmicrowave.com/rg58-flexible-coax-cable-pvc-jacket-rg58cu-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

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TITLE RG58 Flexible Coax Cable Black PVC Jacket	DWG NO RG58CU		CAGE CODE 3FKR5		
	CAD FILE 092617	SHEET 1 OF 1	SCALE N/A	SIZE A	7361