

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)

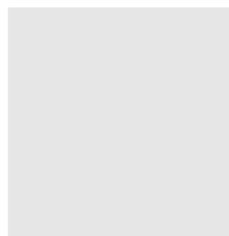
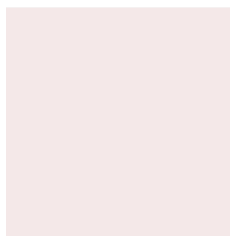
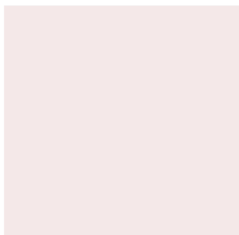
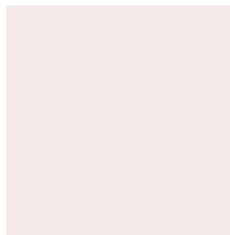
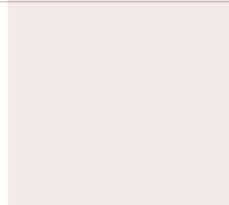
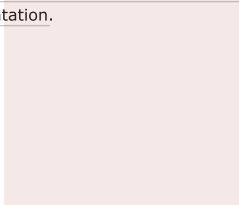
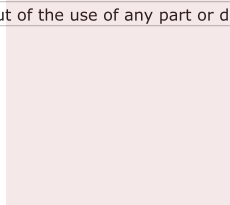
Fairview Microwave
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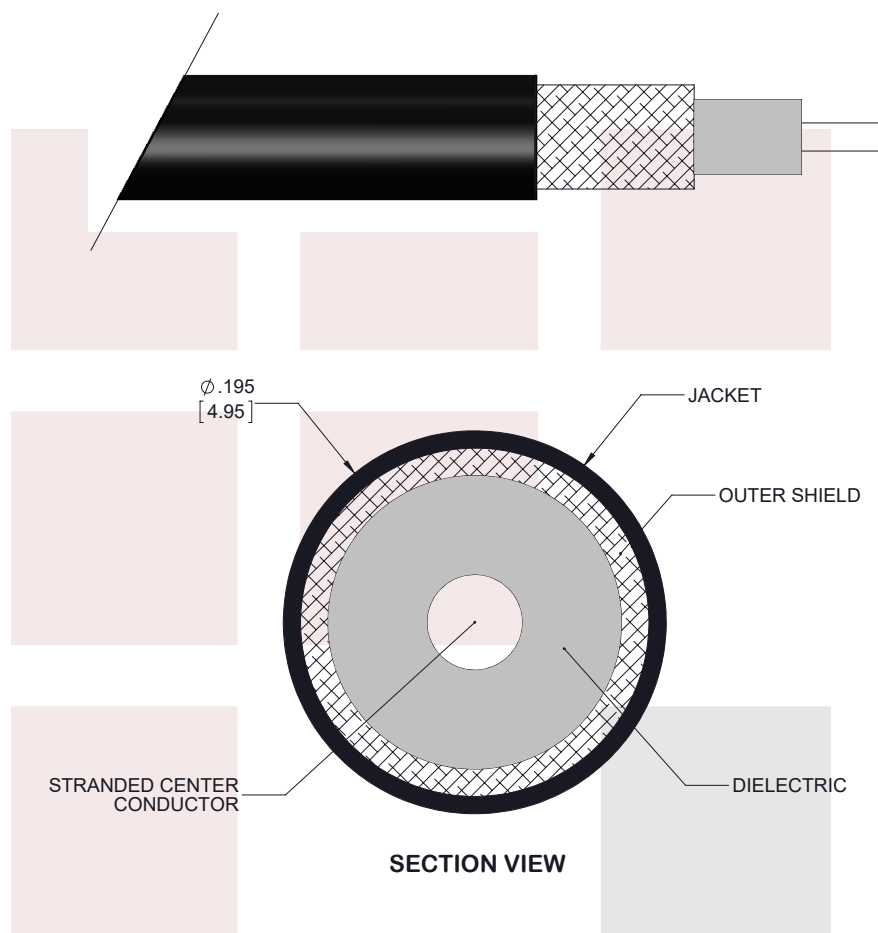
RG58 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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

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 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

10KV Female Bulkhead Connector Crimp/Solder Attachment for RG58 Cable

The Fairview Microwave FMCN45837 is designed for high voltage applications and is rated to 10KV. This 10KV female bulkhead connector utilizes crimp/solder attachment for the contact. Our 10KV female bulkhead IP67 mated coax connector from Fairview Microwave has an interface type of RG58.

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

Fairview Microwave standard straight female 10 KV bulkhead connector will ship the same day. Our bulkhead 10KV standard straight female 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	2.7 in [68.58 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.016 lbs [7.26 g]

Material Specifications

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



Configuration:

- 10KV Female Connector
- MIL-STD-202
- Straight Body Geometry
- RG58 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features:

- Gold over nickel over copper Plated Brass Contact
- IP67
- High Density PE Insulator

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Fairview Microwave
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sales@fairviewmicrowave.com

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

Ingress Protection (IP) Rating

IP67

Salt Spray

MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

Assembly Instruction

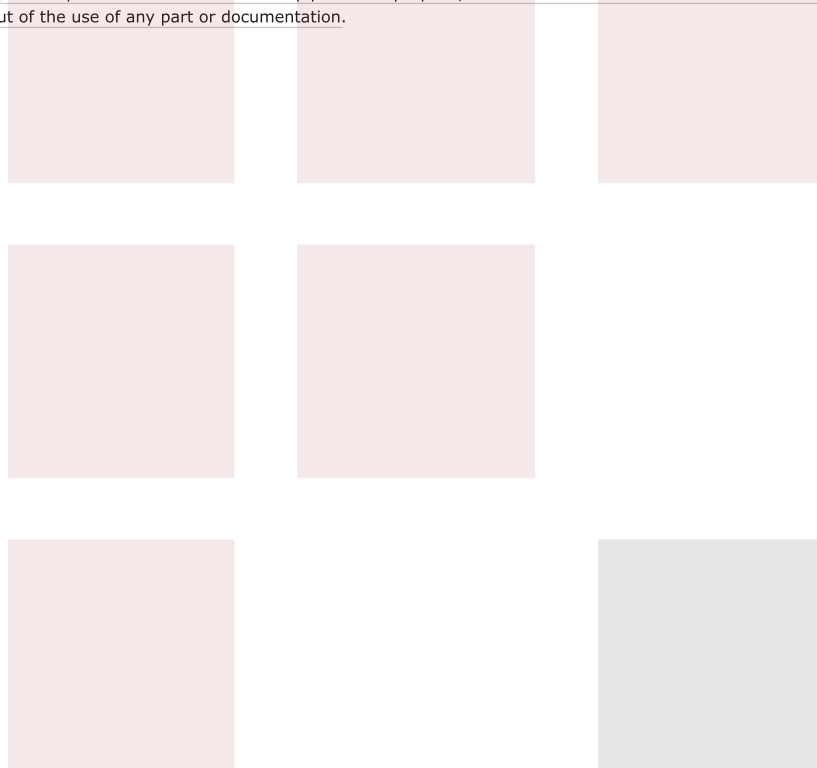
A	B	C	D
BODY + LOCK WASHER + GASKET + HEX NUT	CONTACT PIN	GASKET	FERRULE
DIAGRAM	ASSEMBLY INSTRUCTION		
	Step 1: STRIP AS SHOWN.		
	Step 2: SLIDE FERRULE "D" OVER CABLE. Step 3: PUT GASKET "C" AND PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".		
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.		
	Step 5: SLIDE FERRULE "C" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)		

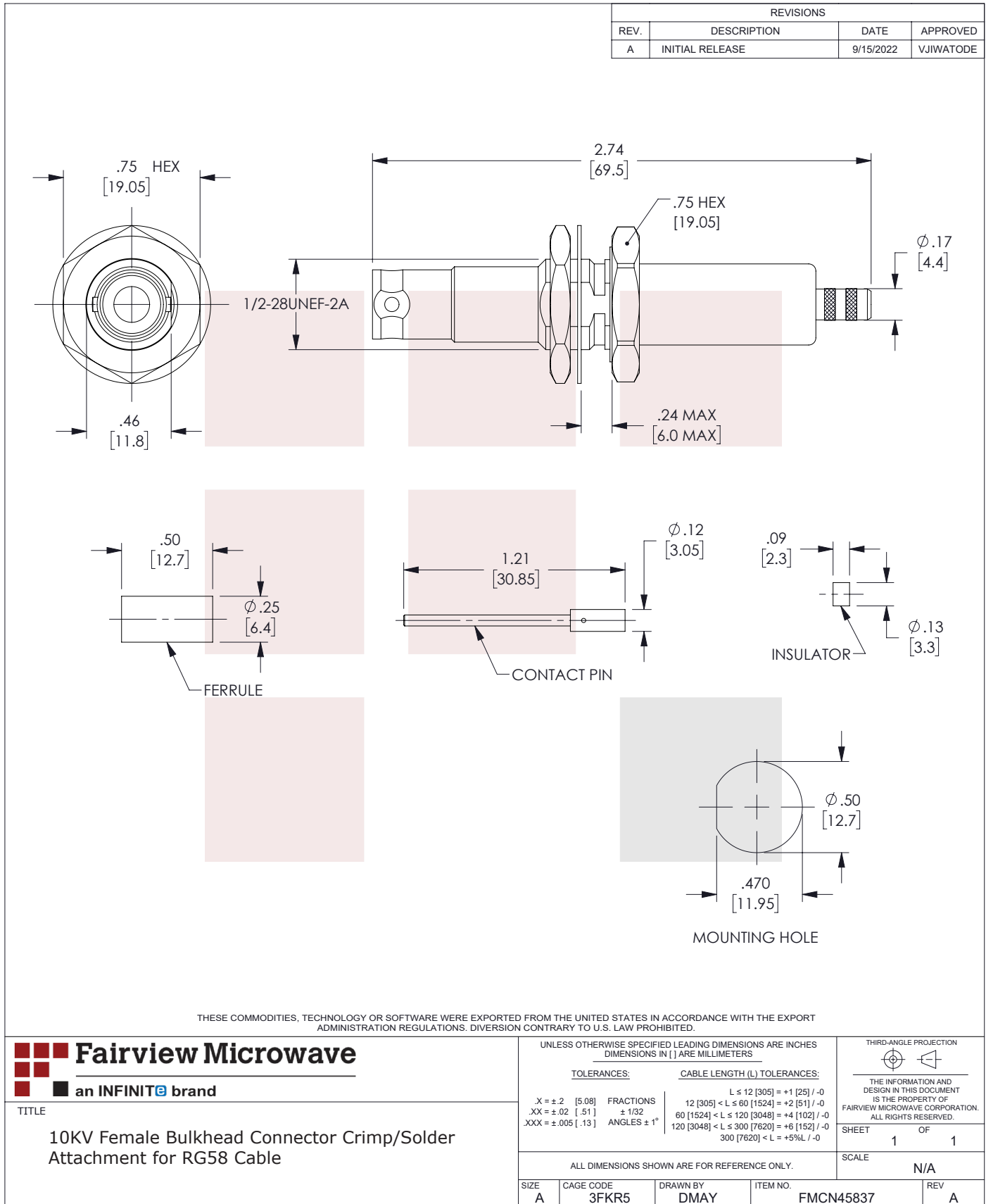
10KV Female Bulkhead Connector Crimp/Solder Attachment for RG58 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [10KV Female Bulkhead Connector Crimp/Solder Attachment for RG58 Cable FMCN45837](#)

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T-Rev.D

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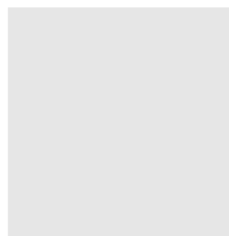
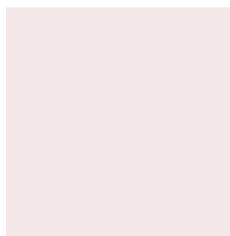
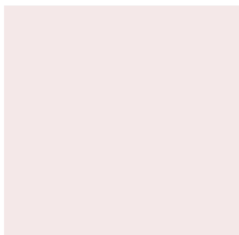
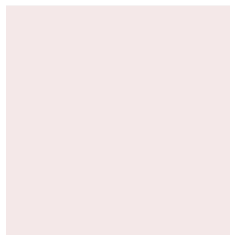
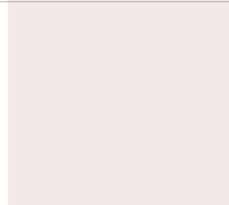
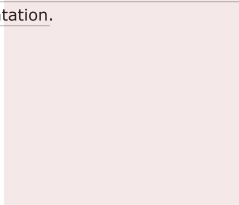
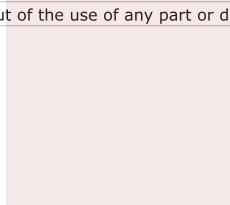
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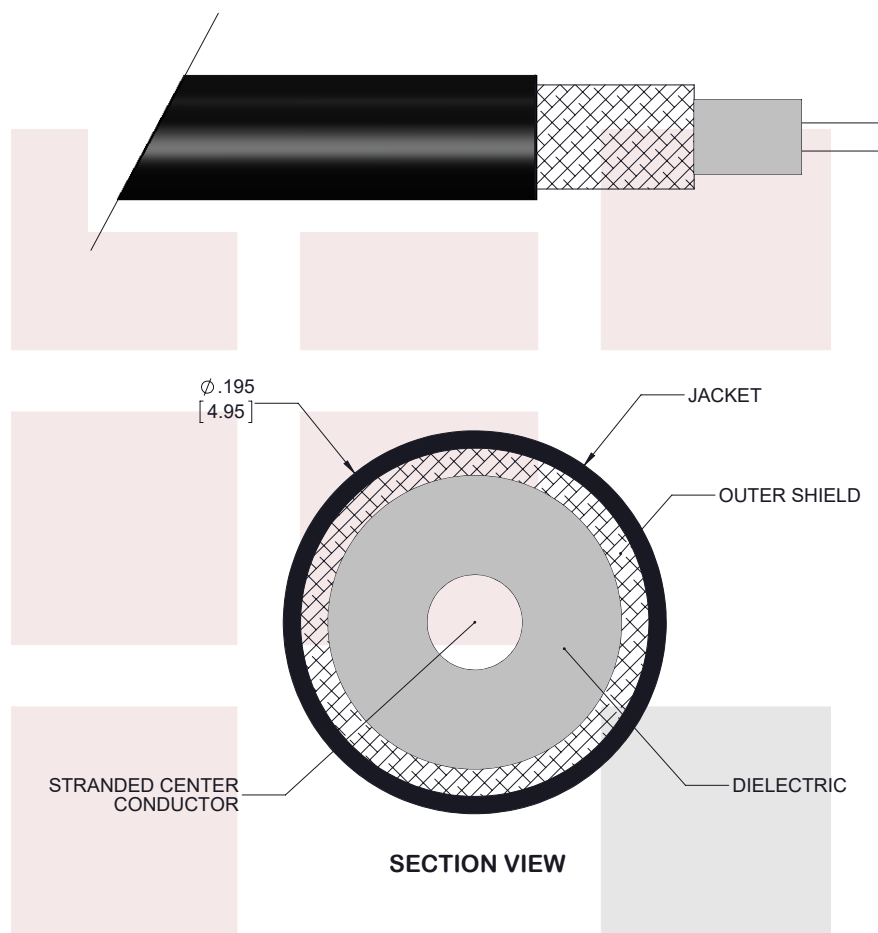
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