

3.5mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402

3.5mm Female Standard Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN and RG402 Cable, part number FMCN1826, from Fairview Microwave is in-stock and ships same day. This 3.5mm female connector operates up to a maximum frequency of 34 GHz and offers excellent VSWR of 1.2:1.

Fairview's 3.5mm female connector FMCN1826 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		34	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	0.786 in [19.96 mm]
Width/Dia.	0.315 in [8.00 mm]
Height	0.5 in [12.7 mm]
Weight	0.012 lbs [5.44 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PCTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700

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

Plotted and Other Data

Notes:



Configuration:

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 Interface Type
- Clamp/Solder Attachment

Features:

- Operating Frequency of 34 GHz Max.
- Excellent VSWR of 1.2:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 µin minimum contact plating

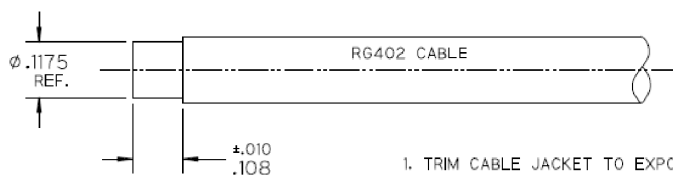
Applications:

- General Purpose Test
- Custom Cable Assemblies

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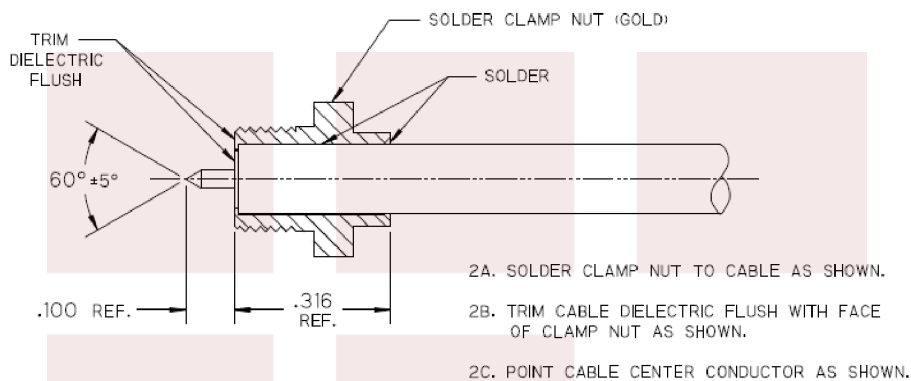
Assembly Instruction

STEP 1

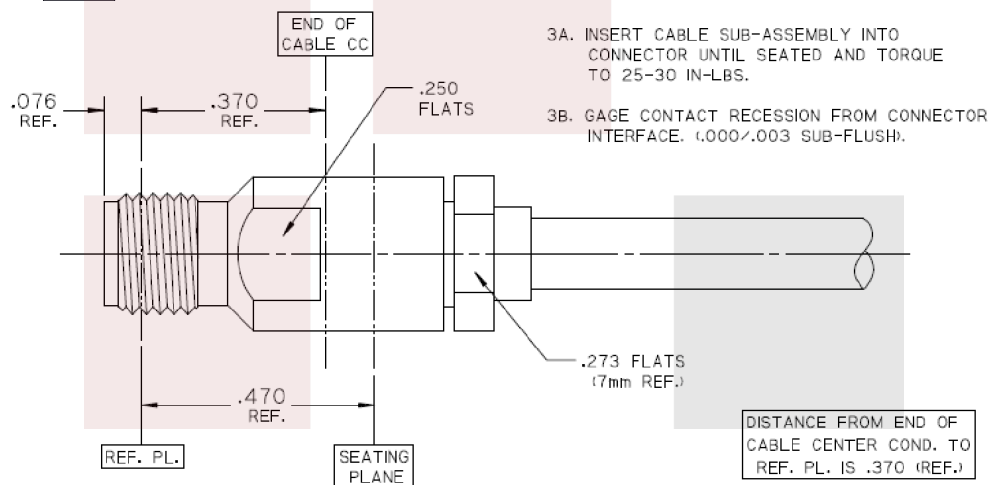


1. TRIM CABLE JACKET TO EXPOSE DIELECTRIC CORE AS SHOWN.

STEP 2



STEP 3



3.5mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 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.

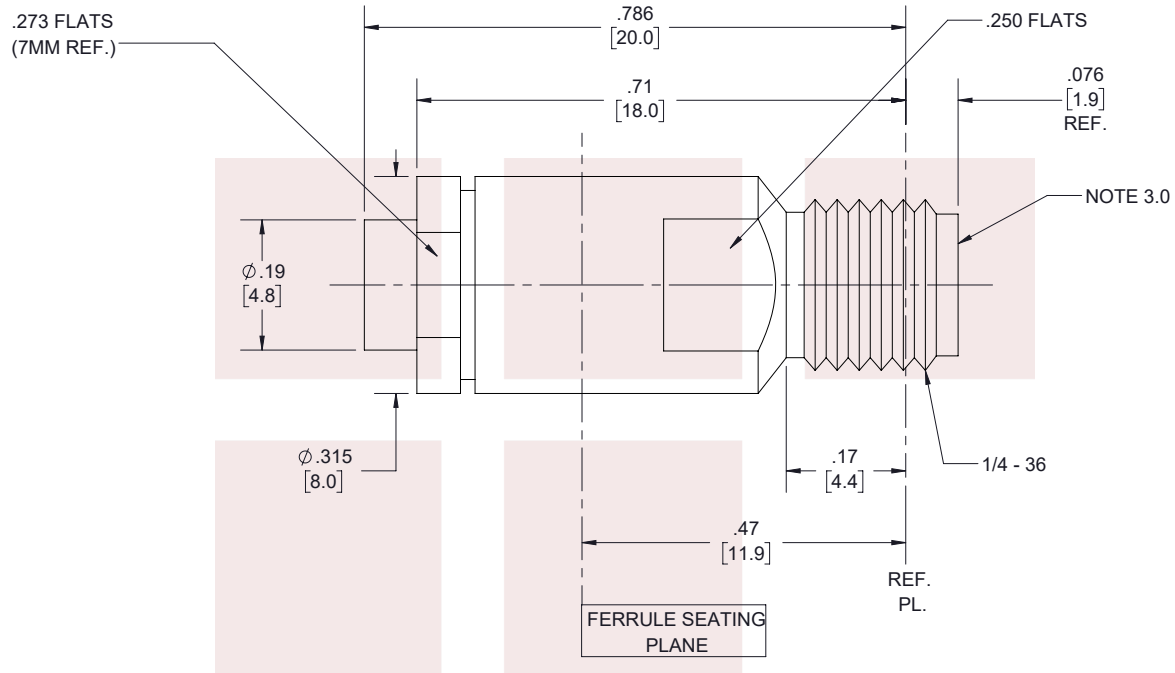
For additional information on this product, please click the following link: [3.5mm Female Connector Clamp/Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 FMCN1826](https://www.fairviewmicrowave.com/3.5mm-female-fm-sr141altn-fm-sr141tb-fm-sr141tbj-fm-sr141cutn-rg402-connector-fmcn1826-p.aspx)

URL: <https://www.fairviewmicrowave.com/3.5mm-female-fm-sr141altn-fm-sr141tb-fm-sr141tbj-fm-sr141cutn-rg402-connector-fmcn1826-p.aspx>

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



NOTE:

DISTANCE FROM END OF CABLE
CENTER COND. TO REF. PL. IS 0.370

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TITLE

3.5mm Female Connector Clamp/Solder Attachment
for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-
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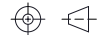
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

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 2

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.GLEBOVA	ITEM NO. FMCN1826	REV A
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T-Rev.D

N Female Low PIM Connector Solder Attachment 4 Hole Flange for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable

Type N female 4 hole flange mount connector with solder/solder attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR and FM-SR141CUTN-COIL, part number FMCN1932, from Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 6 GHz. Fairview's FMCN1932 4 hole flange type N 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 type N female 4 hole flange connector FMCN1932 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
Insertion Loss			0.15	dB
DWV (AC)			750	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3					GHz
VSWR, Max	1.25:1					

Electrical Specification Notes:
Insertion Loss is measured as $< 0.06 * \text{SQRT}(f(\text{GHz}))(\text{dB})$

Mechanical Specifications

Size	
Length	1.16 in [29.46 mm]
Width/Dia.	1 in [25.40 mm]
Height	1 in [25.4 mm]
Weight	0.087 lbs [39.46 g]

Material Specifications

Description	Material	Plating
Contact	Bronze	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal



Configuration:

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR-141CUTN-COIL Interface Type
- Solder/Solder Attachment
- 4 Hole Flange
- Low PIM Design

Features:

- Operating Frequency of 6 GHz Max.
- Silver Plated Bronze Contact

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

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Environmental Specifications

Temperature

Operating Range -65 to +85 deg C

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

Plotted and Other Data

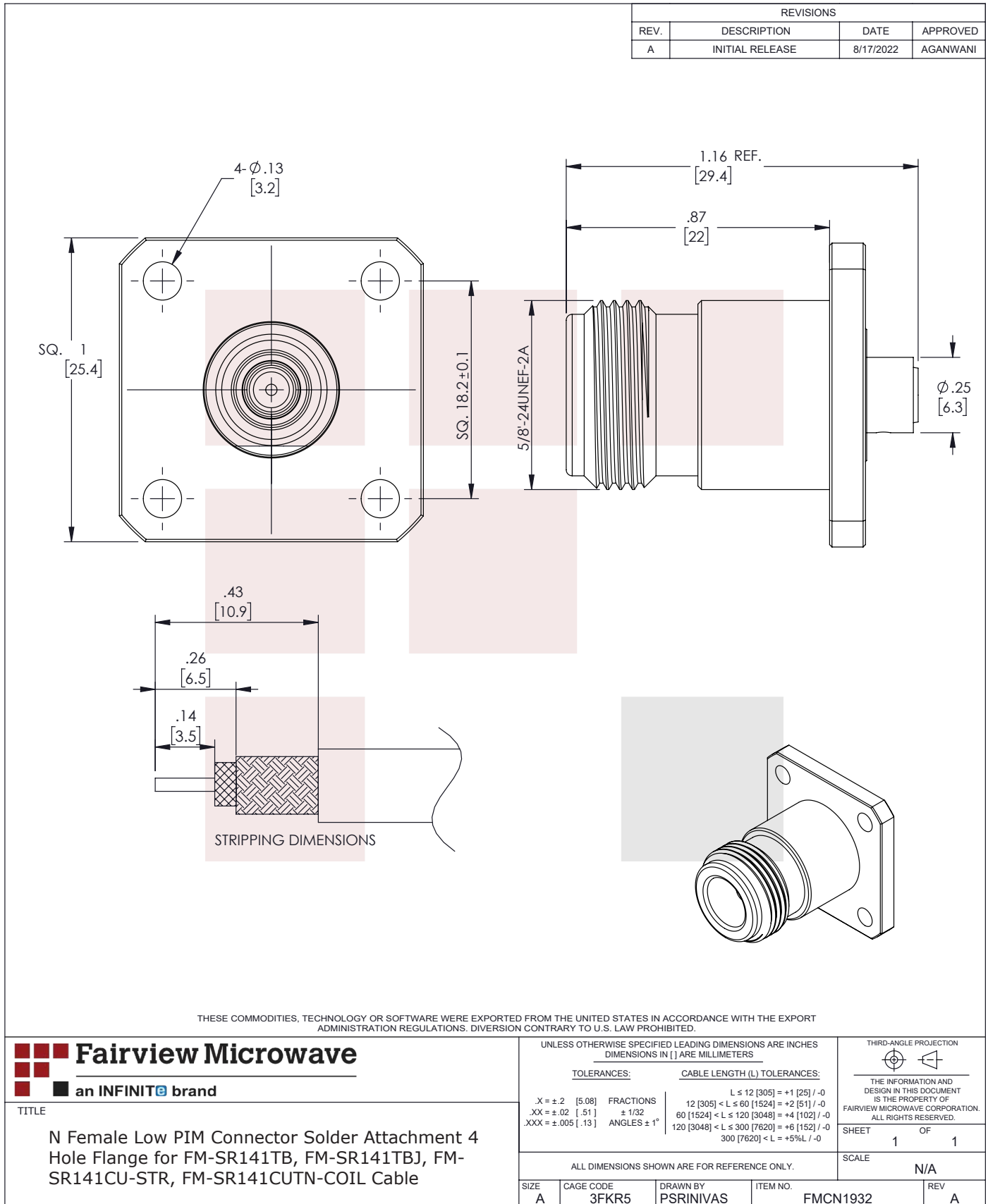
Notes:

N Female Low PIM Connector Solder Attachment 4 Hole Flange for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL 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: [N Female Low PIM Connector Solder Attachment 4 Hole Flange for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable FMCN1932](#)

URL: <https://www.fairviewmicrowave.com/n-female-fm-sr141tb-fm-sr141tbj-fm-sr141cu-str-fm-sr141cutn-coil-connector-fmcn1932-p.aspx>

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T-Rev D

.141 Semi-rigid Formable Coax Cable Black FEP Jacket

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		20	GHz
Cutoff Frequency		34		GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Time Delay		1.43 [4.69]		ns/ft [ns/m]
Shielding Effectiveness	110			dB
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		29 [95.14]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8 26.25	12 39.37	29 95.14	45 147.64	70 229.66	dB/100ft dB/100m

Mechanical Specifications

Diameter	0.161 in [4.09 mm]
Weight	0.032 lbs/ft [0.05 Kg/m]
Min. Bend Radius (Installation)	0.315 in [8 mm]
Min. Bend Radius (Repeated)	1.575 in [40.01 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.117 in [2.97 mm]
First Shield	Tinned Copper Braid	
Jacket	FEP, Black	0.161 in [4.09 mm]



Configuration:

- Formable Cable
- 1 Shield(s)

Features:

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding > 100 dB

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Environmental Specifications

Temperature

Operating Range -65 to 150 deg C

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

Plotted and Other Data

Notes:

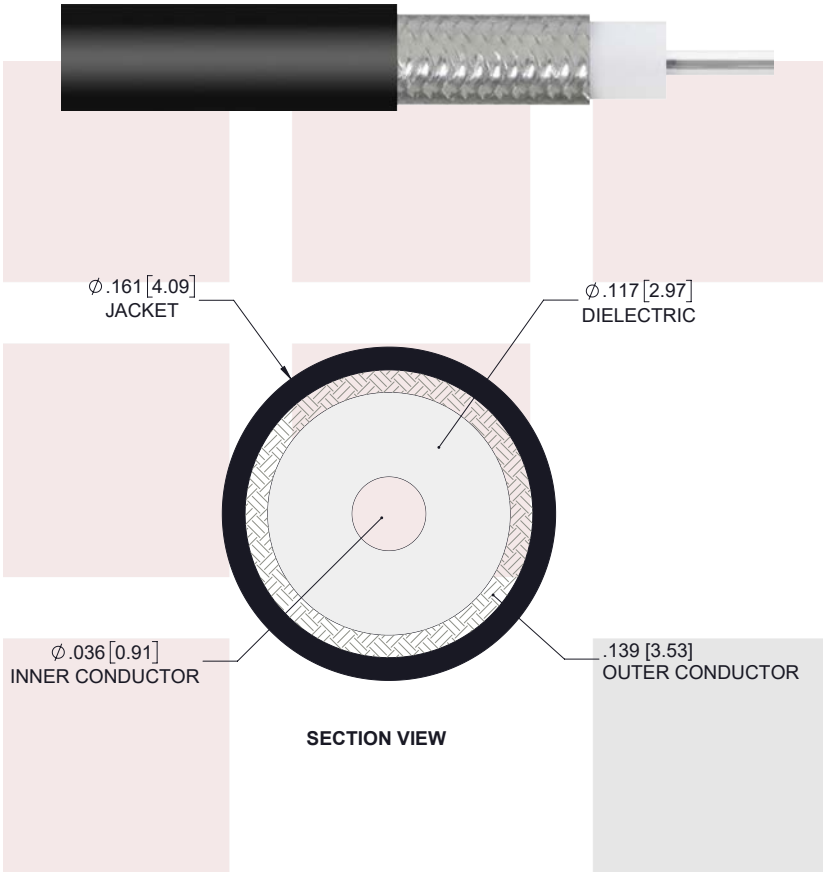
.141 Semi-rigid Formable Coax Cable Black FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [.141 Semi-rigid Formable Coax Cable Black FEP Jacket FM-SR141TBJ](#)


URL: <https://www.fairviewmicrowave.com/fm-sr141tbj-formable-coax-cable-fep-jacket-fm-sr141tbj-p.aspx>

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A	INITIAL RELEASE	11/22/19	S.ELLIS



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		SIZE A CAGE CODE 3FKR5 DRAWN BY K.DANG PART NUMBER FM-SR141TBJ REV A		SHEET 1 OF 1 SCALE N/A	

T-Rev.D