

.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	Тур	Мах	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		pF/ft
		[95.14]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	20	GHz
Attenuation, Typ	8 26.2 <mark>5</mark>	12 39.37	29 95.14	45 147.64	70 229.66	dB/100ft dB/100m

Mechanical Specifications

Diameter Weight

Min. Bend Radius (Installation) Min. Bend Radius (Repeated) 0.315 in [8 mm] 1.575 in [40.01 mm]

0.029 lbs/ft [0.04 kg/m]

0.161 in [4.09 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 semirigid coax
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- 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
 - THI SOaked Outer Cond
- 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 millimeter wave 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-BULK

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

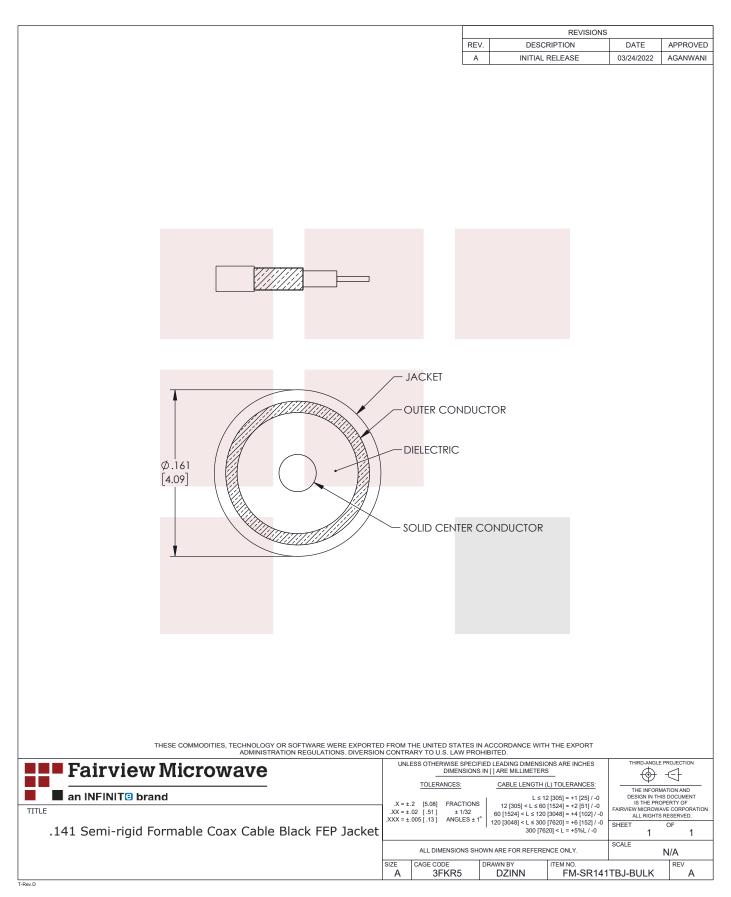
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