

**75 Ohm .141 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections**

.141 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 0.141 cables sometimes referred to as RG402 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 36 GHz. This form factor is widely used in the RF industry and many connector series and configurations are available for this cable. Because of the solid copper wall design the cable can be formed using proper tooling with a minimum inside bend radius of 1 inch.

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		36	GHz
Impedance		75		Ohms
DWV (AC)			3,500	Vrms

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	12.5 41.01	51 167.32	78 255.91			dB/100ft dB/100m
Power In (CW), Max	280	60	39			Watts

**Mechanical Specifications**

Min. Bend Radius (Installation) 1 in [25.4 mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
Outer Conductor	Copper, Bare	0.141 in [3.58 mm]
Jacket	Tan	

**Environmental Specifications**

**Temperature**

Operating Range -55 to +200 deg C

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant Yes  
 REACH Compliant 12/17/2014



**Configuration:**

- Semi-Rigid Cable

**Features:**

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Bare Copper Outer Conductor
- Operating to 36 GHz
- Minimum inside bend radius of 1 inch
- ROHS compliant

**Applications:**

- RF and Microwave Cable Assemblies to 36 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

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**Plotted and Other Data**

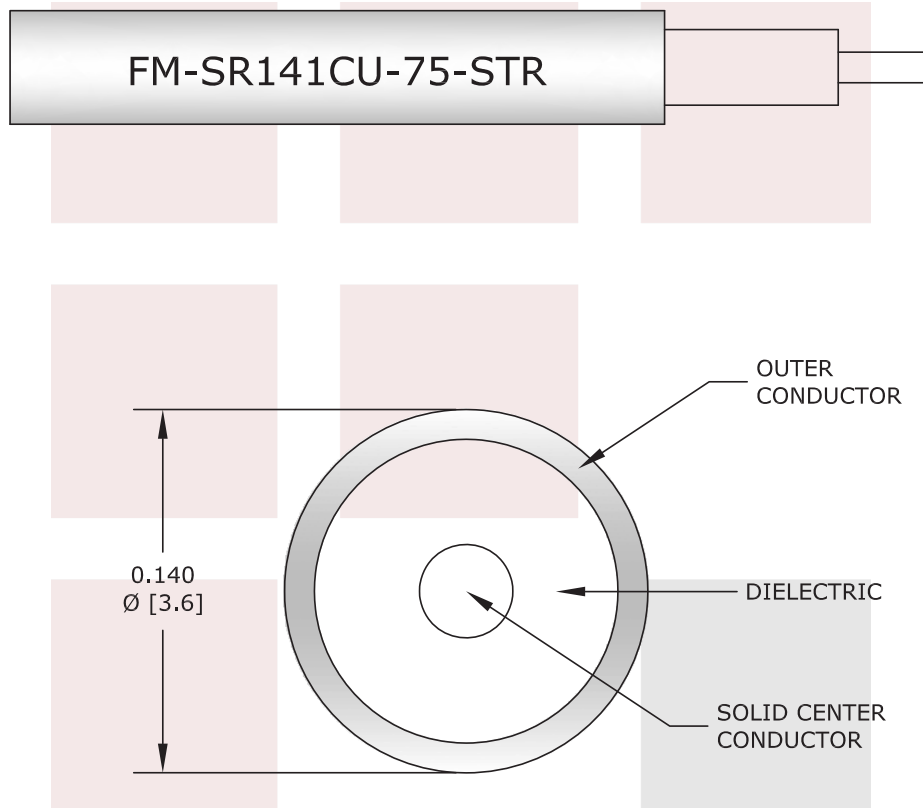
Notes:

75 Ohm .141 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections 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: [75 Ohm .141 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections FM-SR141CU-75-STR](#)

URL: <http://www.fairviewmicrowave.com/75-ohm-.141-semi-rigid-coax-cable-copper-fm-sr141cu-75-str-p.aspx>

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TITLE 75 Ohm .141 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections		DWG NO FM-SR141CU-75-STR		CAGE CODE 3FKR5	
		CAD FILE 012716	SHEET	SCALE N/A	SIZE A