

.020 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections

.020 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 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 .05 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		27	GHz
Impedance		50		Ohms
DWV (AC)			750	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Max	85 278.87	280 918.64	380 1,246.72			dB/100ft dB/100m
Power In (CW), Max	7.5	2.6	2			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.05 in [1.27 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.004 in [0.1 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.015 in [0.38 mm]
Outer Conductor	Copper, Bare	0.02 in [0.51 mm]
Jacket	Tan	

Environmental Specifications

Temperature

Operating Range -55 to +85 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Semi-Rigid Cable
- 0 Shield(s)

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Bare Copper Outer Conductor
- Operating to 27 GHz
- Minimum inside bend radius of .05 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 27 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

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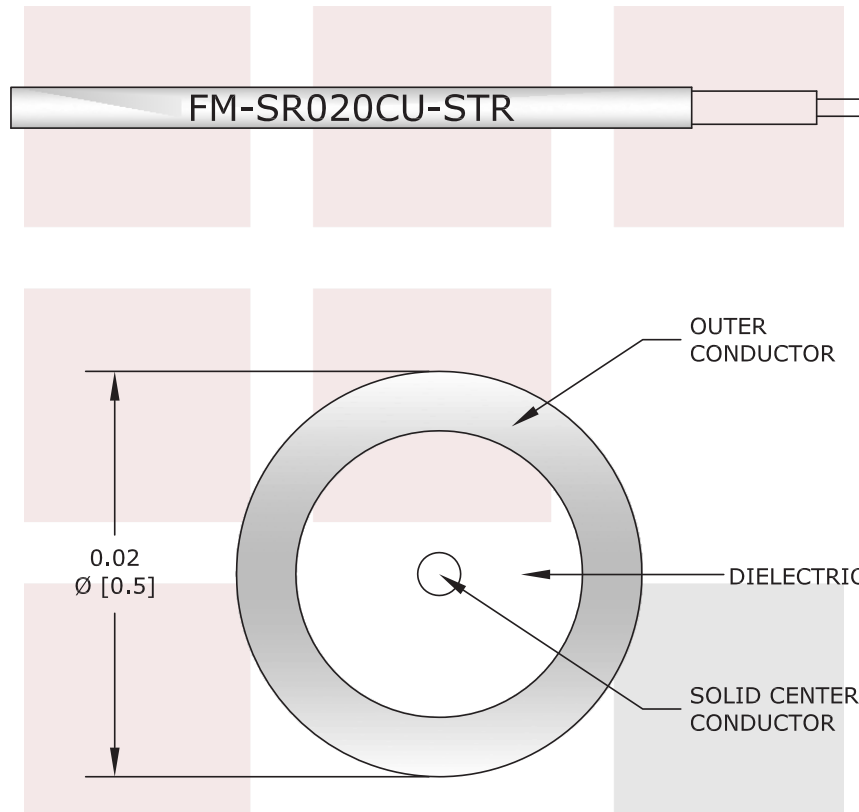
.020 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [.020 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections FM-SR020CU-STR](#)

URL: <https://www.fairviewmicrowave.com/.020-semi-rigid-coax-cable-copper-fm-sr020cu-str-p.aspx>

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TITLE .020 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Straight Sections		DWG NO FM-SR020CU-STR		CAGE CODE 3FKR5	
CAD FILE	012716	SHEET	SCALE	N/A	SIZE A 2233