

.118 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections

.118 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 .4 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		46	GHz
Impedance		50		Ohms
DWV (AC)			3,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	12.5 41.01	42.5 139.44	62.5 205.05			dB/100ft dB/100m
Power In (CW), Max	500	144	96			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.4 in [10.16 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver	0.032 in [0.81 mm]
Conductor Type	Solid	
Dielectric	PTFE (LD)	0.097 in [2.46 mm]
Outer Conductor	Copper, Bare	0.118 in [3 mm]

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

REACH Compliant 12/17/2015

Plotted and Other Data

Notes:

Configuration:

- Semi-Rigid Cable

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Copper Clad Steel Bare Outer Conductor
- Operating to 46 GHz
- Minimum inside bend radius of .4 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 46 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

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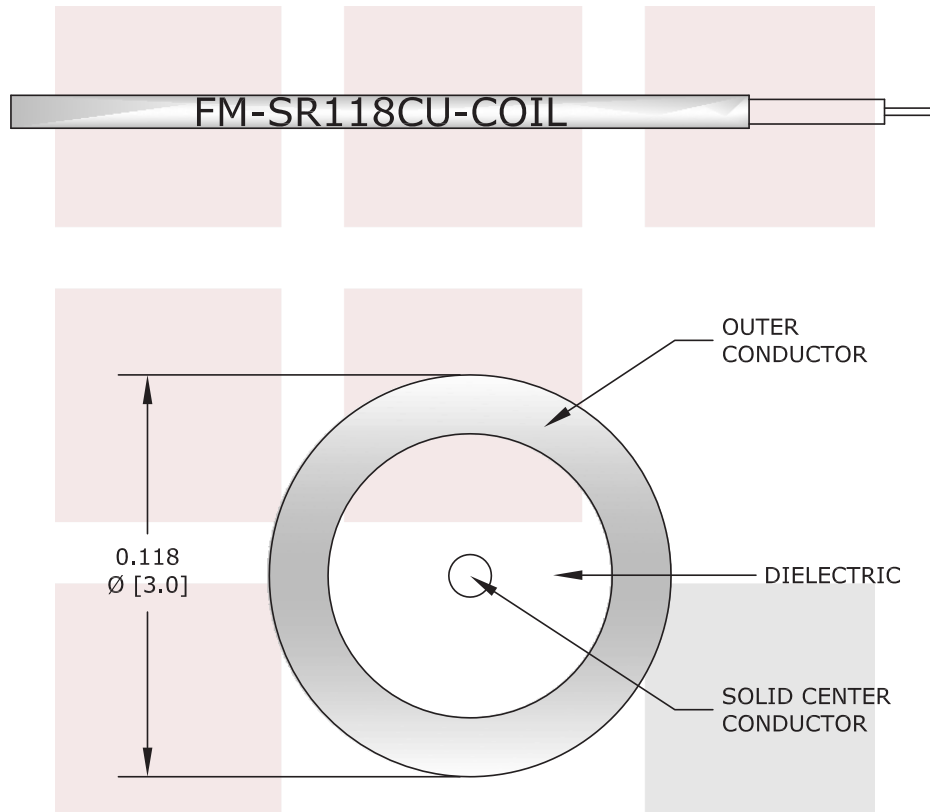
.118 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [.118 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections FM-SR118CU-COIL](#)

URL: <http://www.fairviewmicrowave.com/.118-semi-rigid-coax-cable-copper-fm-sr118cu-coil-p.aspx>

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TITLE .118 Semi-Rigid Coax Cable with a Bare Copper Outer Conductor in Coiled Sections		DWG NO FM-SR118CU-COIL		CAGE CODE 3FKR5	
CAD FILE	051016	SHEET	SCALE	N/A	SIZE A 2233