

## SSMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, 0.100 inch

SSMA male connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100 and .100 inch, part number FMCN1852, from Fairview Microwave is in-stock and ships same day. This SSMA male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.29:1.

Fairview's SSMA male connector FMCN1852 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		3	GHz
VSWR			1.29:1	
Operating Voltage (AC)			250	Vrms

### Mechanical Specifications

Size	
Length	0.77 in [19.56 mm]
Width/Dia.	0.157 in [3.99 mm]
Height	0.5 in [12.7 mm]
Weight	0.01 lbs [4.54 g]
Mating Torque	2 in-lbs [0.23 Nm]

### Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:



### Configuration:

- SSMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, LMR-100, .100 inch Interface Type
- Crimp/Solder Attachment
- 1/4 inch Hex

### Features:

- Operating Frequency of 3 GHz Max.
- Good VSWR of 1.29:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

### Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave  
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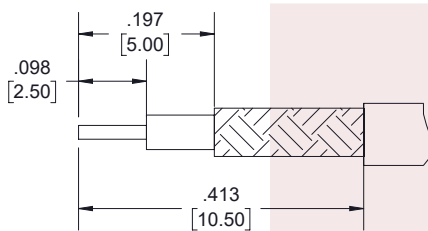
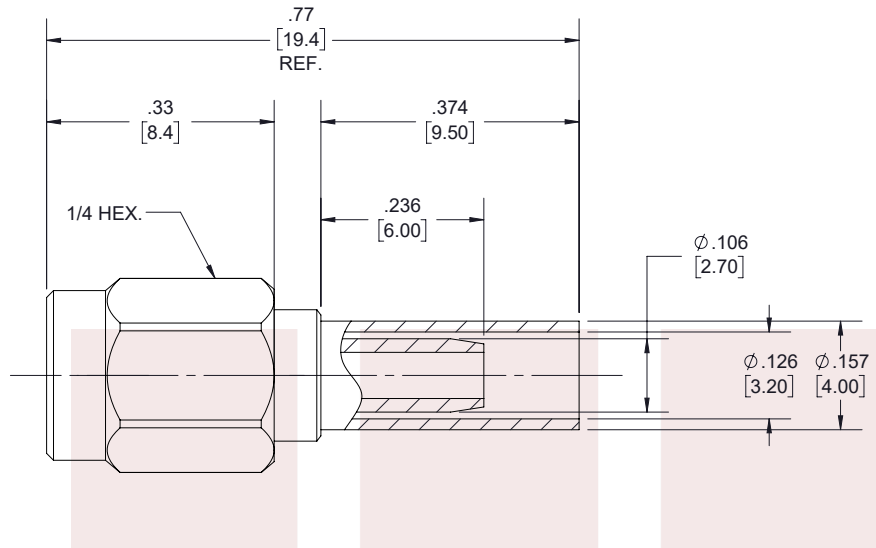
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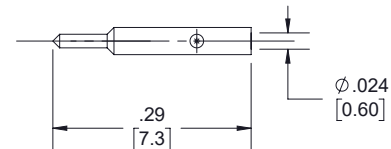
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A	INITIAL RELEASE	02/11/2022	AGANWANI



STRIPPING DIMENSIONS



NOTES:

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER/CRIMP.
- CRIMP SIZE REQUIRED
  - CONTACT: 1/4 [6.35] HEX CRIMP TOOL.
  - FERRULE: .138" [3.53] HEX CRIMP TOOL.

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		REV A	

T-Rev.D

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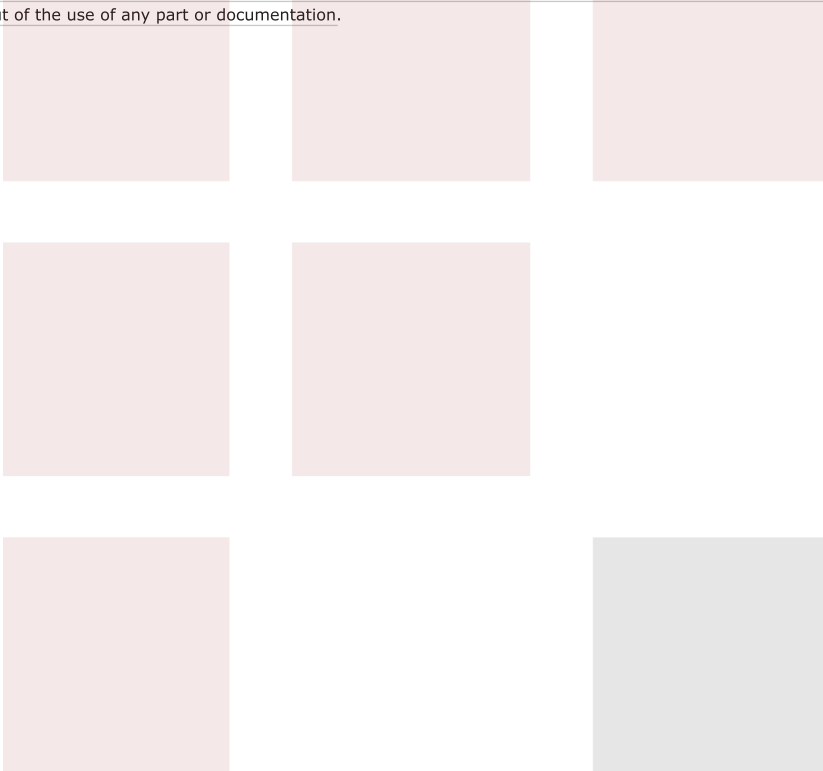
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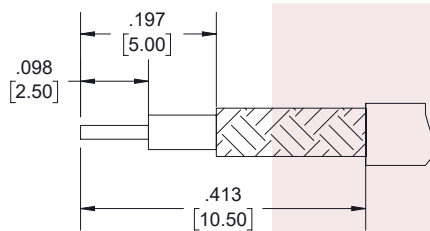
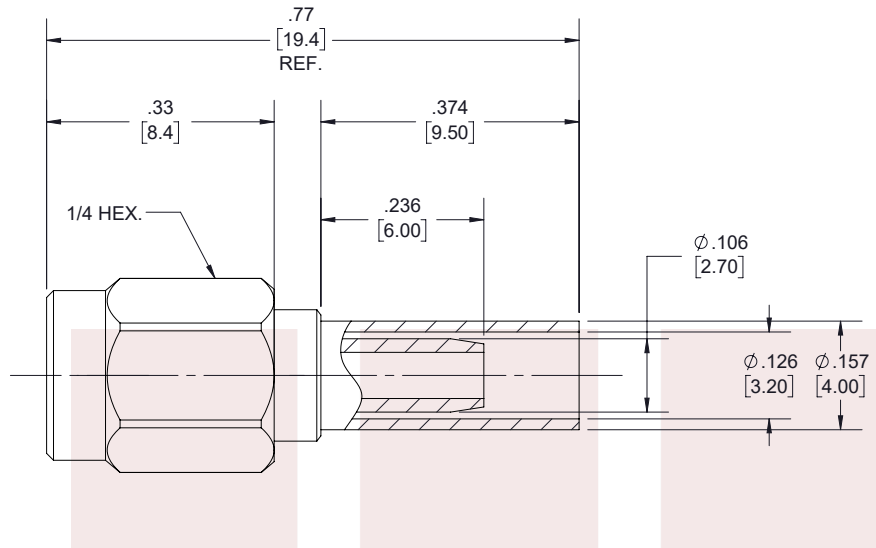
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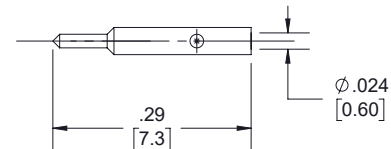
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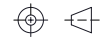
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T-Rev.D

## Times Microwave LMR-100A-FR Low Loss Flexible Coax Cable Black FRPE Jacket Fire Rated

### Times Microwave Systems Coax Cable Specification

LMR-100-FR Fire Rated version of the 100 series Low Loss Coax from Times Microwave is part of the large product offering by Fairview Microwave of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Fairview Microwave LMR-100-FR coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss and CMR riser rated 50 Ohm coax cable LMR-100-FR is constructed with a 0.110 inch diameter and Black FRPE jacket.

LMR-100-FR flexible 50 Ohm coax cable with FRPE jacket is rated for a 5.8 GHz maximum operating frequency. This 50 Ohm 0.110 inch diameter and low loss fire rated coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-100-FR FRPE coax is constructed with PE dielectric and a maximum operating temperature of 85 degrees C. Fairview Microwave's offering of LMR-100-FR coax cable provides specs for this wire on its RF coax cable LMR-100-FR datasheet.

LMR-100-FR cable is part of more than one million RF, microwave parts in stock at Fairview Microwave. This Times Microwave low loss flexible LMR-100-FR coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave components.

\* LMR™ is a trademark of Times Microwave Systems.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Time Delay		1.54 [5.05]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
DWV (DC)			500	Vdc
Jacket Spark			2,000	Vrms
Inner Conductor DC Resist.			81	Ohms/1000ft
Outer Conductor DC Resist.			9.5	Ohms/1000ft
Nominal Capacitance		30.8		pF/ft
		[101.05]		[pF/m]
Nominal Inductance		0.077		uH/ft
		[0.25]		[uH/m]
Input Power (Peak)			600	Watts

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	5.1 16.73	8.9 29.2	10.9 35.76	15.8 51.84	22.8 74.8	dB/100ft dB/100m



### Configuration:

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

### Features:

- Max Operating Frequency of 5.8 GHz
- Phase Velocity 66% VoP
- Low Smoke, Zero Halogen FRPE Jacket
- CMR Riser Rated Coax
- Max Operating Temperature +85°C
- Min Install Bend Radius of 0.25 inches

### Applications:

- RF Test Systems
- In-Building Riser Runs
- Laboratory Applications
- Antenna Installs
- General Purpose RF Interconnect

Fairview Microwave  
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Power In (CW), Max	180	100	83	57	39	Watts
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Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	30.1	33.2	35.2	39.8	64.1	dB/100ft
	98.75	108.92	115.49	130.58	210.3	dB/100m
Power In (CW), Max	29	27	25	22	13	Watts

### Mechanical Specifications

Diameter	0.11 in 2.79 mm
Weight	0.0092 lbs/ft [0.01 Kg/m]
Min. Bend Radius (Installation)	0.25 in [6.35 mm]
Min. Bend Radius (Repeated)	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Tensile Strength	15 lbs [6.8 kg]
Flat Plate Crush	10 lbs/in [0.18 Kg/mm]

### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.018 in [0.46 mm]
Conductor Type	Solid	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Aluminum Tape	[ ]
Second Shield	Tinned Copper	[ ]
Jacket	FRPE, Black	0.11 in [2.79 mm]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

### Plotted and Other Data

Notes:

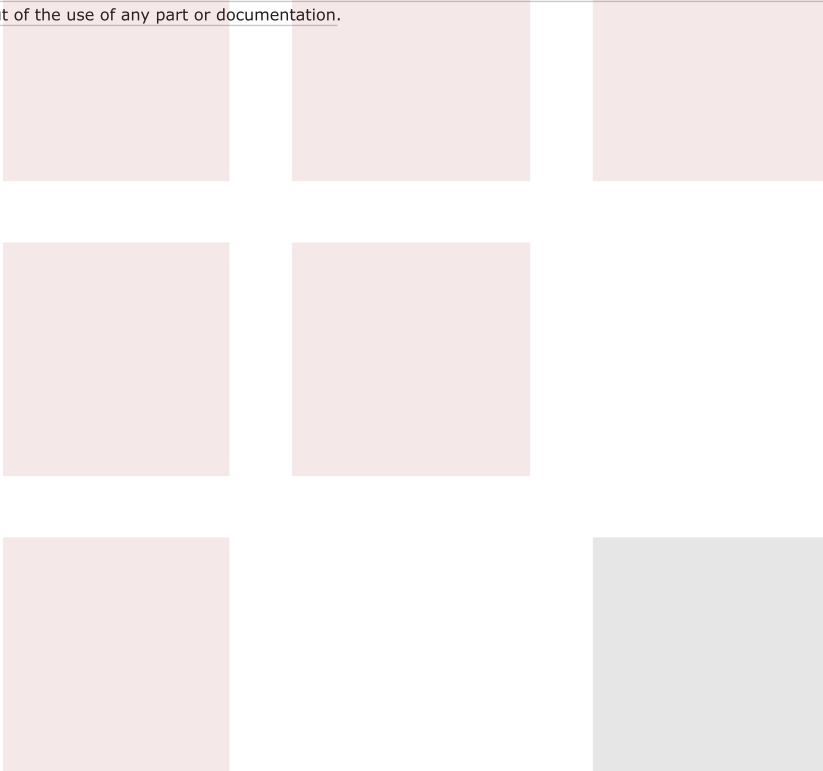


Times Microwave LMR-100A-FR Low Loss Flexible Coax Cable Black FRPE Jacket Fire Rated from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

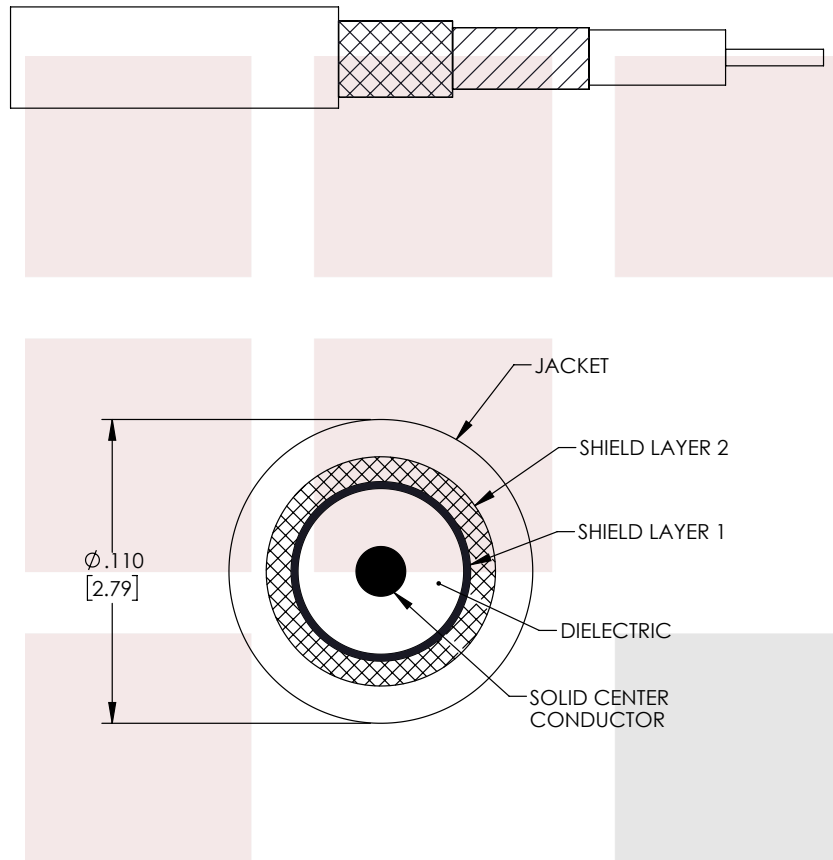
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