

1.85mm Male to 2.4mm Female Cable FM-SR086TBJ Coax

FMCA100345



Configuration

- Connector 1: 1.85mm Male
- Connector 2: 2.4mm Female
- Cable Type: FM-SR086TBJ
- Coax Flex Type: Formable

Features

- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

The 1.85mm male to 2.4mm female cable using FM-SR086TBJ coax, part number FMCA100345, from Fairview Microwave is in-stock and ships same day. This Fairview 1.85mm to 2.4mm cable assembly has a male to female gender configuration with 50 ohm formable FM-SR086TBJ coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.05 lbs [22.68 g]

Cable

Cable Type	FM-SR086TBJ
Impedance	50 Ohms

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Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor 1 Material and Plating	Tinned Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]
One Time Minimum Bend Radius	0.5 in [12.7 mm]
Repeated Minimum Bend Radius	0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2
Type	1.85mm Male	2.4mm Female
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	
Contact Material and Plating	Beryllium Copper, Gold over Nickel	Beryllium Copper, Gold over Nickel
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PEI	PEI
Body Material and Plating	Beryllium Copper, Gold over Nickel	Passivated Stainless Steel
Body Plating Specification	50 µin minimum	SAE-AMS-2700
Coupling Nut Material and Plating	Passivated Stainless Steel	
Coupling Nut Plating Specification	ASTM-A582	
Hex Size	5/16 inch	
Torque	8 in-lbs 0.9 Nm	

Environmental Specifications

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

Plotted and Other Data

Notes:

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FMCA100345

Typical Performance Data

How to Order

Part Number Configuration:

FMCA100345

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: FMCA100345-12 = 12 inches long cable
FMCA100345-100cm = 100 cm long cable

1.85mm Male to 2.4mm Female Cable FM-SR086TBJ Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [1.85mm Male to 2.4mm Female Cable FM-SR086TBJ Coax FMCA100345](https://www.fairviewmicrowave.com/1.85mm-male-to-2.4mm-female-cable-fm-sr086tbj-coax-fmca100345-p.aspx)

URL: <https://www.fairviewmicrowave.com/1.85mm-male-to-2.4mm-female-cable-fm-sr086tbj-coax-fmca100345-p.aspx>

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FMCA100345 CAD Drawing
1.85mm Male to 2.4mm Female Cable FM-SR086TBJ Coax

