

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
Inner Conductor Material and Plating
Dielectric Type
Number of Shields
Outer Conductor 1 Material and Plating
Jacket Material
Jacket Diameter
One Time Minimum Bend Radius
Repeated Minimum Bend Radius

Solid
Copper Clad Steel, Silver
PTFE
1
Tinned Copper Composite Braid
FEP, Black
0.105 in [2.67 mm]
0.5 in [12.7 mm]
0.787 in [19.99 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	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:



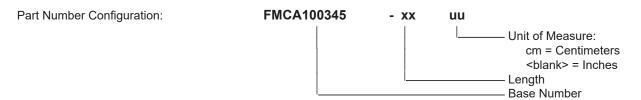
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Typical Performance Data

How to Order



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

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

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