



2.92mm Male to 2.92mm Female Bulkhead Cable FM-SR086TB Coax

The 2.92mm male to 2.92mm female bulkhead cable using FM-SR086TB coax, part number FMCA3259, from Fairview Microwave is in-stock and ships same day. This Fairview 2.92mm to 2.92mm cable assembly has a male to female gender configuration with 50 ohm formable FM-SR086TB coax. Fairview Microwave's formable RF cable assemblies provide an alternative to costly pre-formed semirigid assemblies since they are hand formable. The FMCA3259 2.92mm male to 2.92mm female cable assembly operates to 20 GHz. Our RF cable assembly with 2.92mm bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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

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Description	Mi	n T	Гур	Max	ι	Jnits
Frequency Range	DO	2		20		GHz
VSWR				1.3:1		
Velocity of Propagation		6	59.5			%
Capacitance		29	[95.14]		pF/f	t [pF/m]
Leakage			-90			dB
DC Resistance Inner Cor	nductor	65.7	[215.55	[]	Ω/100	0ft [Ω/Km]
DC Resistance Outer Cor	nductor	10.2	[33.46]		Ω/100	0ft [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	20	GHz
Insertion Loss (Typ.)	0.225	0.306	0.508	0.759	1.2	dB/ft
	0.74	1	1.67	2.49	3.94	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.04xSQRT(fGHz) dB for the male connector and 0.1 dB per connector for the female connector.

Mechanical Specifications

Cable Assembly

Weight 0.03 lbs [13.61 g]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type

FM-SR086TB 50 Ohms Solid

Copper Clad Steel, Silver

PTFE



Configuration:

- 2.92mm Male
- 2.92mm Female Bulkhead
- FM-SR086TB

Features:

- Max Frequency 20 GHz
- 69.5% Phase Velocity

Applications:

- General Purpose
- Laboratory Use

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





Number of Shields

Outer Conductor Material and Plating

Copper, Tin

Connectors

Description	Connector	Connector 2		
Туре	2.92mm Mal	e 2.92mm Fe	male	
Mount Method		Bulkhea	d	
Specification	None			
Impedance	50 Ohms	50 Ohm	S	
Contact Material & Plating	Beryllium Copper, Gold	over NickelBeryllium Cop	per, Gold	
Contact Plating Spec.	50 μin minimu	m MIL-G-452	MIL-G-45204	
Dielectric Type	PEI	PTFE		
Outer Cond Material & Plati	ng	Stainless Steel, F	assivated	
Body Material & Plating	Beryllium Copper, Gold	over NickelStainless Stee	l, Passivate	
Body Plating Spec.	50 μin minimu	m		
Coupling Nut Material & Pla	ting Passivated Stainles	s Steel		
Coupling Nut Plating Spec.	ASTM-A582			
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Environmental Specifications

Shock MIL-STD-202, Method 213, Condition I
Vibration MIL-STD-202, Method 204, Condition D
Thermal Shock MIL-STD-202, Method 107, Condition B

Salt Fog MIL-STD-202, Method 101, Condition B, 5% salt solution

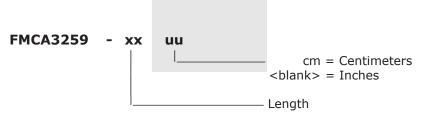
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:



Example: FMCA3259-12 = 12 inches long cable

FMCA3259-100cm = 100 cm long cable

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2.92mm Male to 2.92mm Female Bulkhead Cable FM-SR086TB Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: 2.92mm Male to 2.92mm Female Bulkhead Cable FM-SR086TB Coax FMCA3259

URL: https://www.fairviewmicrowave.com/2.92mm-male-to-2.92mm-female-bulkhead-cable-fm-sr086tb-coax-fmca3259-p.aspx



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