

## 2.92mm Male to 2.92mm Male Cable FM-F086 Coax in 48 Inch

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
VSWR			1.5:1	
Velocity of Propagation		70.6		%
Capacitance		28.95 [94.98]		pF/ft [pF/m]

### Mechanical Specifications

#### Cable Assembly

Length	48 in [121.92 cm]
Diameter	0.315 in [8 mm]
Cable Color	Blue
Connection Type	In-Series

#### Cable

Cable Type	FM-F086
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP
Jacket Diameter	0.209 in [5.31 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	2.92mm Male	2.92mm Male
Impedance	50 Ohms	50 Ohms
Connection Method	Standard	Standard
Mating Cycles	500	500
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Spec.	50μ in. minimum	50μ in. minimum
Dielectric Type	PTFE	PTFE
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]
Body Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Spec.	50μ in. minimum	50μ in. minimum

### Environmental Specifications

#### Temperature

Operating Range	-65 to +165 deg C
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### Configuration:

- 2.92mm Male
- 2.92mm Male
- FM-F086

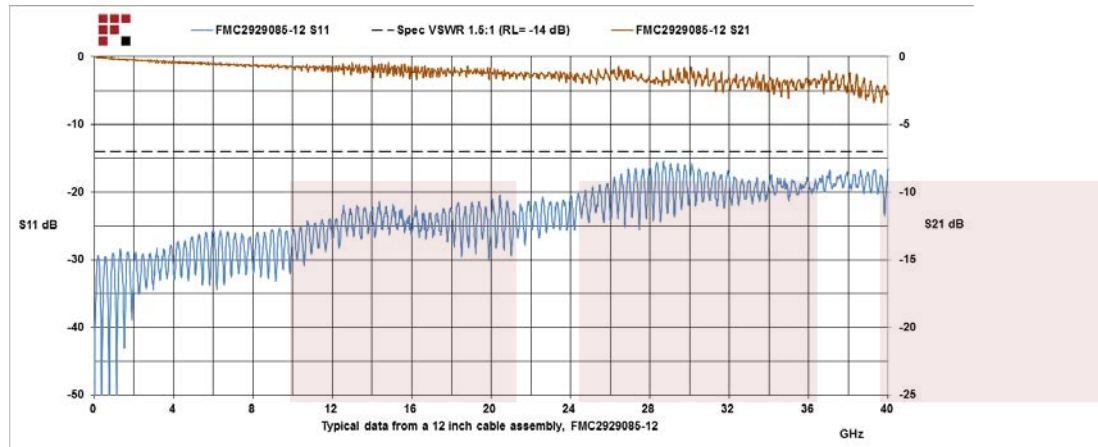
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**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

## Plotted and Other Data

Notes:

### Typical Performance Data



## How to Order

Part Number Configuration:

**FMC2929085 - xx uu**

cm = Centimeters  
<blank> = Inches  
Length

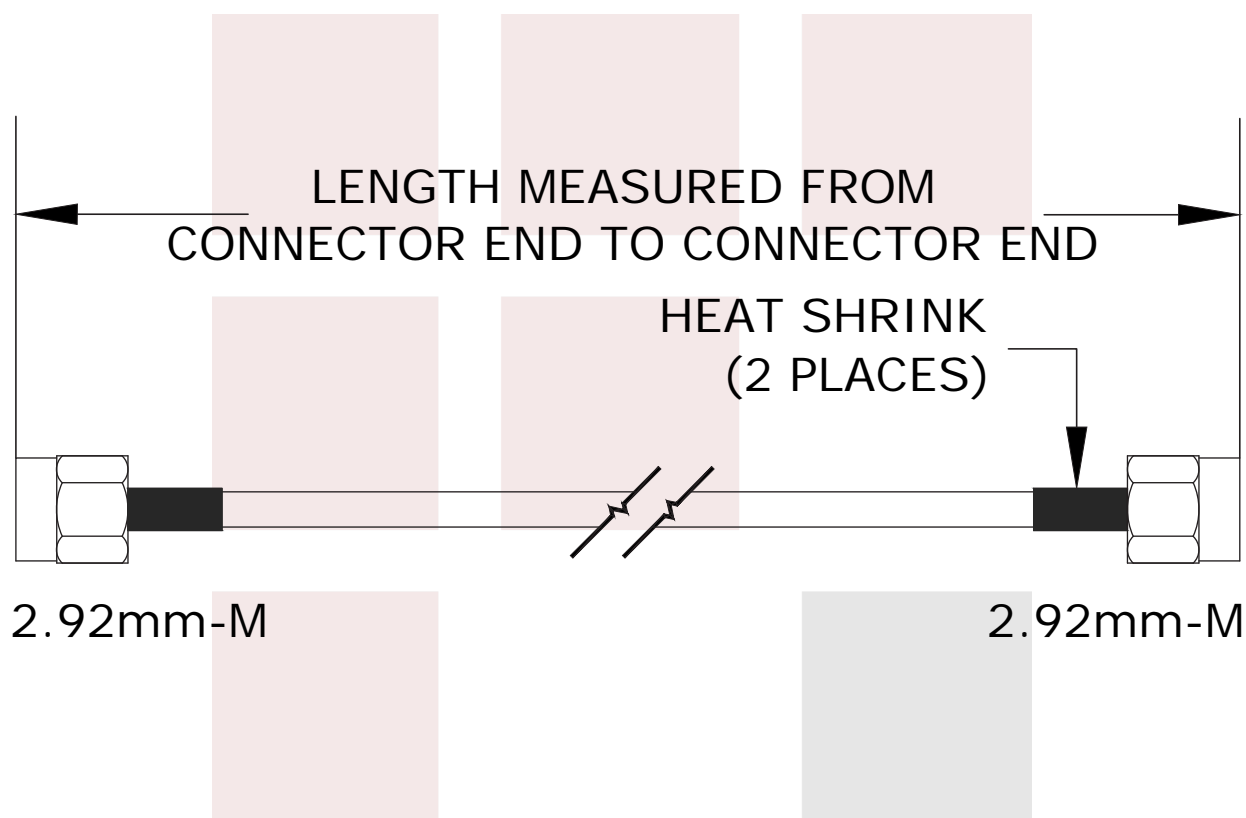
Example: FMC2929085-12 = 12 inches long cable  
FMC2929085-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable FM-F086 Coax in 48 Inch 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: [2.92mm Male to 2.92mm Male Cable FM-F086 Coax in 48 Inch FMC2929085-48](http://www.fairviewmicrowave.com/2.92mm-male-2.92mm-male-cable-hs086-coax-fmc2929085-48-p.aspx)

URL: <http://www.fairviewmicrowave.com/2.92mm-male-2.92mm-male-cable-hs086-coax-fmc2929085-48-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



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TITLE 2.92mm Male to 2.92mm Male Cable FM-F086 Coax in 48 Inch		DWG NO FMC2929085-XX		CAGE CODE 3FKR5	
CAD FILE	103114	SHEET	SCALE	N/A	SIZE A 5568