



# TNC Male to TNC Female Bulkhead Cable RG405 Type .086 Coax

The TNC male to TNC female bulkhead cable using RG405 type .086 coax, part number FMCA2923, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR086CU-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2923 TNC male to TNC female cable assembly operates to 6 GHz. Our RF cable assembly with TNC 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.

# **Configuration:**

- TNC Male
- TNC Female Bulkhead
- FM-SR086CU-STR

### **Features:**

- Max Frequency 6 GHz
- Shielding Effectivity > -110 dB
- 69.5% Phase Velocity

# **Applications:**

- General Purpose
- Laboratory Use

## **Electrical Specifications**

Description	Min	Т	ур	Max	U	Inits
Frequency Range	DC			6		GHz
VSWR				1.5:1		
Velocity of Propagation		69	9.5			%
RF Shielding	-110					dB
Capacitance		29.4 [	96.46	]	pF/fl	[pF/m]

#### **Performance by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.22	0.31	0.54			dB/ft
	0.72	1.02	1.77			dB/m

**Electrical Specification Notes:** 

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

#### **Mechanical Specifications**

#### **Cable Assembly**

Weight 0.082 lbs [37.19 g]

**Cable** 

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating
Dielectric Type
Number of Shields

Outer Conductor Material and Plating

FM-SR086CU-STR 50 Ohms Solid Copper Clad Steel, Silver PTFE 1 Copper

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





Repeated Minimum Bend Radius

0.05 in [1.27 mm]

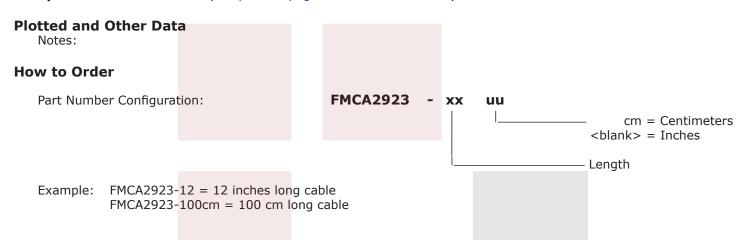
#### **Connectors**

Description	Connector 1	Connector 2	
Туре	TNC Male	TNC Female	
Mount Method		Bulkhead	
Impedance	50 Ohms	50 Ohms	
Contact Material & Plating	Brass, Gold over NickelBeryllium Copper, Gold over Nickel		
Dielectric Type	PTFE	PTFE	
Body Material & Plating	Brass, Nickel	Brass, Nickel	
Coupling Nut Material & Plating	Brass, Nickel		

Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lenghts greater than 5ft, please contact us

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



TNC Male to TNC Female Bulkhead Cable RG405 Type .086 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: TNC Male to TNC Female Bulkhead Cable RG405 Type .086 Coax FMCA2923

URL: https://www.fairviewmicrowave.com/tnc-male-to-tnc-female-bulkhead-cable-rg405-type-.086-coax-fmca2923-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.

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





