



Low PIM 2.2-5 Male to N Male Cable TFT-402 Coax Using Times Microwave Components

The 2.2-5 male to type N male cable using TFT-402 coax, part number FMCA2518, from Fairview Microwave is in-stock and ships same day. This Fairview 2.2-5 to type N cable assembly has a male to male gender configuration with 50 ohm flexible TFT-402 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -160 dBc. The FMCA2518 2.2-5 male to type N male cable assembly operates to 5.8 GHz. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness of better than -80 dB.

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	Min	Т	ур	Max	Units
Frequency Range	DC			5.8	GHz
VSWR				1.4:1	
Velocity of Propagation		-	76		%
RF Shielding	-80				dB
Passive Intermodulation				-160	dBc

Capacitance	26.7 [87.6]	pF/ft [pF/m]
DC Resistance Inner Conductor	8.5 [27.89]	Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor	5.6 [18.37]	Ω/1000ft [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.052	0.076	0.108	0.173	0.267	dB/ft
	0.17	0.25	0.35	0.57	0.88	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Diameter 0.808 in [20.52 mm]

Cable

Cable Type TFT-402
Impedance 50 Ohms
Inner Conductor Type Solid



Configuration:

- 2.2-5 Male
- N Male
- TFT-402

Features:

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- Shielding Effectivity > -80 dB
- 76% Phase Velocity
- · Double Shielded
- FEP Jacket

Applications:

- General Purpose
- · Laboratory Use
- Low PIM Applications
- Indoor and Outdoor Use
- Plenum Rated Applications

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





Inner Conductor Material and Plating Copper, Silver

Dielectric Type PTFE Number of Shields 2

Shield Layer 1 Silver Plated Copper Braid Shield Layer 2 Tinned Copper Braid

Jacket Material FEP, Blue

Jacket Diameter 0.16 in [4.06 mm]

One Time Minimum Bend Radius 0.75 in [19.05 mm]

Connectors

Description	Connector 1	Connector 2	
Туре	2.2-5 Male	N Male	
Impedance	50 Ohms	50 Ohms	
Mating Cycles	100	500	
Contact Material & Plating	Beryllium Copper, Sil	lver Brass, Silver	
Contact Plating Spec.	200 μin	200 µin	
Dielectric Type	PTFE	PTFE	
Body Material & Plating	Brass, Silver	Brass, Tri-Metal	
Body Plating Spec.	100 μin	80 µin	
Coupling Nut Material & Pla	ting Brass, Tri-Metal	Brass, Tri-Metal	
Coupling Nut Plating Spec.	100 µin	80 µin	
Torque	26 in-lbs 2.94 Nr	m 15 in-lbs 1.7 Nm	

Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: FMCA2518 - xx uu

- cm = Centimeters
<black</pre>

- Length

Example: FMCA2518-12 = 12 inches long cable

FMCA2518-100cm = 100 cm long cable





Low PIM 2.2-5 Male to N Male Cable TFT-402 Coax Using Times Microwave Components 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.

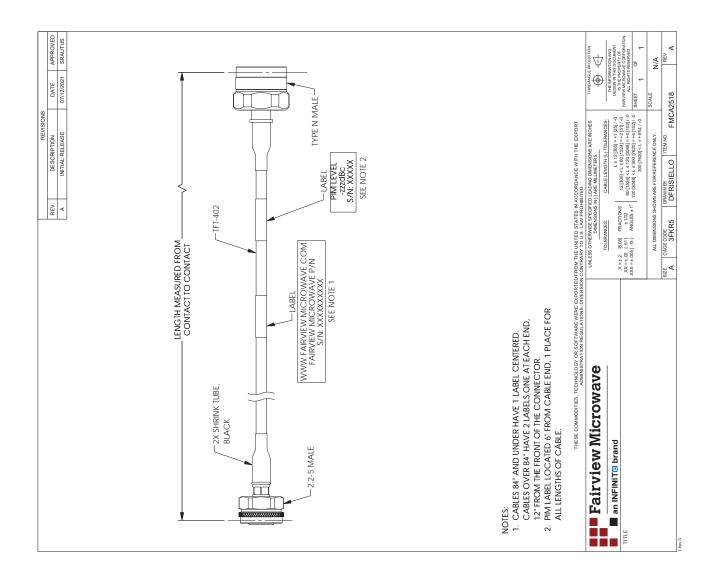
Click the following link to obtain additional part information: Low PIM 2.2-5 Male to N Male Cable TFT-402 Coax Using Times Microwave Components FMCA2518

URL: https://www.fairviewmicrowave.com/low-pim-2.2-5-male-n-male-cable-tft-402-coax-fmca2518-p.aspx









Low PIM 2.2-5 Male to N Male Cable TFT-402 Coax Using Times Microwave Components