



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

The 2.2-5 female to type N female cable using TFT-402-LF coax, part number FMCA2532, from Fairview Microwave is in-stock and ships same day. This Fairview 2.2-5 to type N cable assembly has a female to female gender configuration with 50 ohm flexible TFT-402-LF 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 FMCA2532 2.2-5 female to type N female 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		7	76		%
RF Shielding	80				dB
Passive Intermodulation				-160	dBc

Capacitance 26.7 [87.6] pF/ft [pF/m]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.057	0.083	0.117	0.19	0.295	dB/ft
	0.19	0.27	0.38	0.62	0.97	dB/m

Electrical Specification Notes:

Insertion Loss does not include the Isos of the connectors. Insertion Loss is estimated as 0.1*SQRT(FGHz) dB for the 2.2-5 connector and 0.1 dB for the N connector.

Mechanical Specifications

Cable Assembly

Diameter 0.665 in [16.89 mm]

Cable

Cable Type TFT-402-LF
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper



Configuration:

- 2.2-5 Female
- N Female
- TFT-402-LF

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

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Dielectric Type Number of Shields Jacket Material

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 Female	N Female
Impedance	50 Ohms	50 Ohms
Mating Cycles	100	500
Contact Material & Plating	Beryllium Copper, Silv	ver Phosphor Bronze, Silver
Contact Plating Spec.	200 µin	5 µm
Dielectric Type	PTFE	PTFE
Outer Cond Material & Plati	ng Beryllium Copper, Silv	ver Brass, Tri-Metal
Outer Cond Plating Spec.	100 µin	3 µm
Body Material & Plating	Brass, Silver	Brass, Tri-Metal
Body Plating Spec.	100 µin	3 µm
Torque	26 in-lbs 2.94 Nm	n 10 in-lbs 1.13 Nm

PTFE

FEP, Blue

2

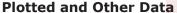
Environmental Specifications

Temperature

Operating Range

-40 to +125 deg C

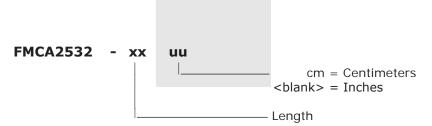
Compliance Certifications (see product page for current document)



Notes:

How to Order

Part Number Configuration:



Example: FMCA2532-12 = 12 inches long cable

FMCA2532-100cm = 100 cm long cable





Low PIM 2.2-5 Female to N Female Cable TFT-402-LF 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 Female to N Female Cable TFT-402-LF Coax Using Times Microwave Components FMCA2532

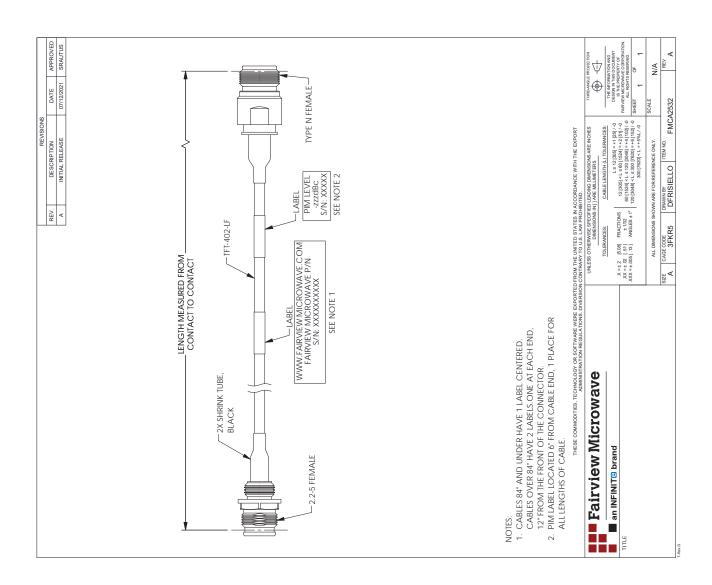
The information contained in this document is accurate to the best of our knowledge and representative of the part

URL: https://www.fairviewmicrowave.com/low-pim-2.2-5-female-n-female-cable-tft-402-lf-coax-fmca2532-p.aspx

described h	erein. It may	be necessar	y to ma	ke modification	ons to the part a	and/or t	he documenta	ation of the part	, in order
to implemen	nt improvemer	nts. Fairview	Microw	ave reserves	the right to mal	ke such	changes as re	quired. Unless	otherwise
stated, all s	specifications a	are nominal.	Fairvie	w Microwave	does not make	any rep	resentation o	r warranty rega	arding the
					urpose, and Fai	rview Mi	crowave does	not assume ar	ny liability
arising out	of the use of a	ny part or do	ocument	tation.					







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