

## TFT-402 Low PIM Flexible Coax Cable Blue FEP Jacket

### Times Microwave Systems Coax Cable Specification

TFT-402 low PIM flexible coax by Time Microwave is part of our full line of RF components available for same-day shipping. The TFT-402 plenum rated coaxial cable features a taped PTFE dielectric, a silver-plated copper center conductor, and a Flat Braid outer conductor. These features combine to make the Times Microwave TFT-402 an extremely flexible, low loss, low PIM coax cable that is well suited for Distributed Antenna Systems (DAS), plenum installations, or small cells. The durable FEP jacket makes this cable suitable for both indoor and outdoor use.

Our datasheet specifications and drawing with dimensions for Times Microwave TFT-402 coax cable are shown below in this PDF. Whether the need is to provide a low PIM jumper connection, low PIM antenna pigtails or simply create a custom assembly configuration, Pasternack has the right TFT-402 cable assemblies for the job.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		5.8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	-80			dB
Inner Conductor DC Resist.			8.5	Ohms/1000ft
Outer Conductor DC Resist.			5.6	Ohms/1000ft
Nominal Capacitance		26.7		pF/ft
		[87.6]		[pF/m]
Input Power (Peak)			3	kWatts

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.03	0.15	0.45	0.9	2	GHz
Attenuation, Typ	1.9	4.1	7.2	10.3	15.4	dB/100ft
	6.23	13.45	23.62	33.79	50.52	dB/100m
Power In (CW), Max	3,000	1,340	770	550	370	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	2.5	5.8				GHz
Attenuation, Typ	17.3	26.7				dB/100ft
	56.76	87.6				dB/100m
Power In (CW), Max	330	210				Watts

### Mechanical Specifications

Diameter 0.16 in [4.06 mm]



### Configuration:

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

### Features:

- PIM < -160 dBc
- Low Loss
- UL910 Plenum Rated Cable
- Good Shielding >80 dB
- Lightweight and Extremely Flexible
- Durable FEP Jacket

### Applications:

- Base Stations
- Antenna Pigtails
- Distributed Antenna Systems (DAS)
- Plenum Installations
- Small Cells
- Multi-Carrier Communication Systems

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Weight 0.03 lbs/ft [0.04 Kg/m]  
 Min. Bend Radius (Installation) 0.75 in [19.05 mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.113 in [2.87 mm]
First Shield	Silver Plated Copper Braid	0.121 in [3.07 mm]
Second Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	FEP, Blue	0.16 in [4.06 mm]

**Environmental Specifications**
**Temperature**

Operating Range -55 to +150 deg C

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

**Plotted and Other Data**

Notes:

TFT-402 Low PIM Flexible Coax Cable Blue FEP Jacket 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: [TFT-402 Low PIM Flexible Coax Cable Blue FEP Jacket TFT-402](#)

URL: <https://www.fairviewmicrowave.com/tft-402-low-loss-flexible-coax-cable-fep-jacket-tft-402-p.aspx>

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