



Low PIM Flexible TFT-402 Outdoor Rated Coax Cable Double Shielded with Blue FEP Jacket

RF Cables Technical Data Sheet



TFT-402

Times Microwave Systems Coax Cable Specification 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

Description

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM Flexible TFT-402 Outdoor Rated Coax Cable Double Shielded with Blue FEP Jacket TFT-402](#)



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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
Input Power (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
Input Power (CW), Max	330	210				Watts

Mechanical Specifications

Diameter	0.16 in 4.06 mm
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 Strand	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]

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Environmental Specifications

Temperature

Operating Range

-55 to +150 deg C

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

Plotted and Other Data

Notes:

Low PIM Flexible TFT-402 Outdoor Rated Coax Cable Double Shielded with Blue FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM Flexible TFT-402 Outdoor Rated Coax Cable Double Shielded with Blue FEP Jacket TFT-402](#)

URL: <https://www.pasternack.com/low-loss-flexible-tft-402-fep-jacket-silver-plated-copper-braid-over-tinned-copper-braid-outer-conductor-double-shielded-tft-402-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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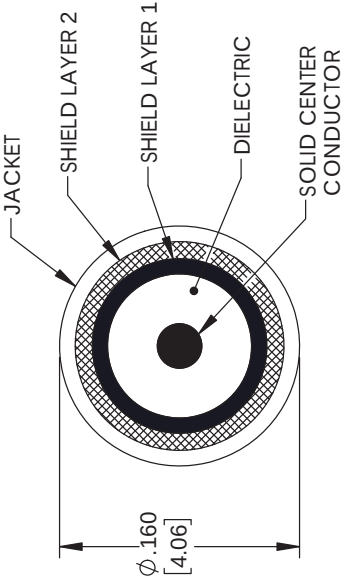
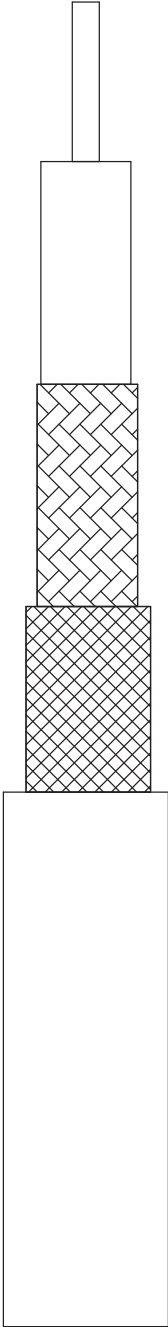
MICROWAVE SYSTEMS

TFT-402 CAD Drawing

Low PIM Flexible TFT-402 Outdoor Rated Coax Cable

Double Shielded with Blue FEP Jacket

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/15/21	S.ELLIS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = +.2	[5.08]	FRACTIONS
XX = +.02	[.51]	+132
XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	= +1 [25] / -0
12 [305] < L ≤ 60 [1524]	= +2 [51] / -0
60 [1524] < L ≤ 120 [3048]	= +4 [102] / -0
120 [3048] < L ≤ 300 [7620]	= +6 [152] / -0
300 [7620] < L	= +5% L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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an INFINITI® brand

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SIZE

CAGE CODE

DRAWN BY

ITEM NO.

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TFT-402

THIRD-ANGLE PROJECTION

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