



TNC Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

RF Connectors Technical Data Sheet

PE44293

Configuration

- TNC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, .400 inch

Features

- Max. Operating Frequency 11 GHz
- Silver Plated Brass Contact
- Contact plating according to ASTM-B700

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44293 TNC male connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and .400 inch is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 11 GHz.

Our TNC male connector PE44293 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size

Length	1.68 in [42.67 mm]
Width/Dia.	0.6 in [15.24 mm]
Weight	0.067 lbs [30.39 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44293](#)



TNC Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch

RF Connectors Technical Data Sheet

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Material Specifications

Description	Material	Plating
Contact	Brass	Silver ASTM-B700
Insulation	PTFE	
Body	Brass	Nickel ASTM-B689
Coupling Nut	Brass	Nickel ASTM-B689

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

TNC Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch 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.

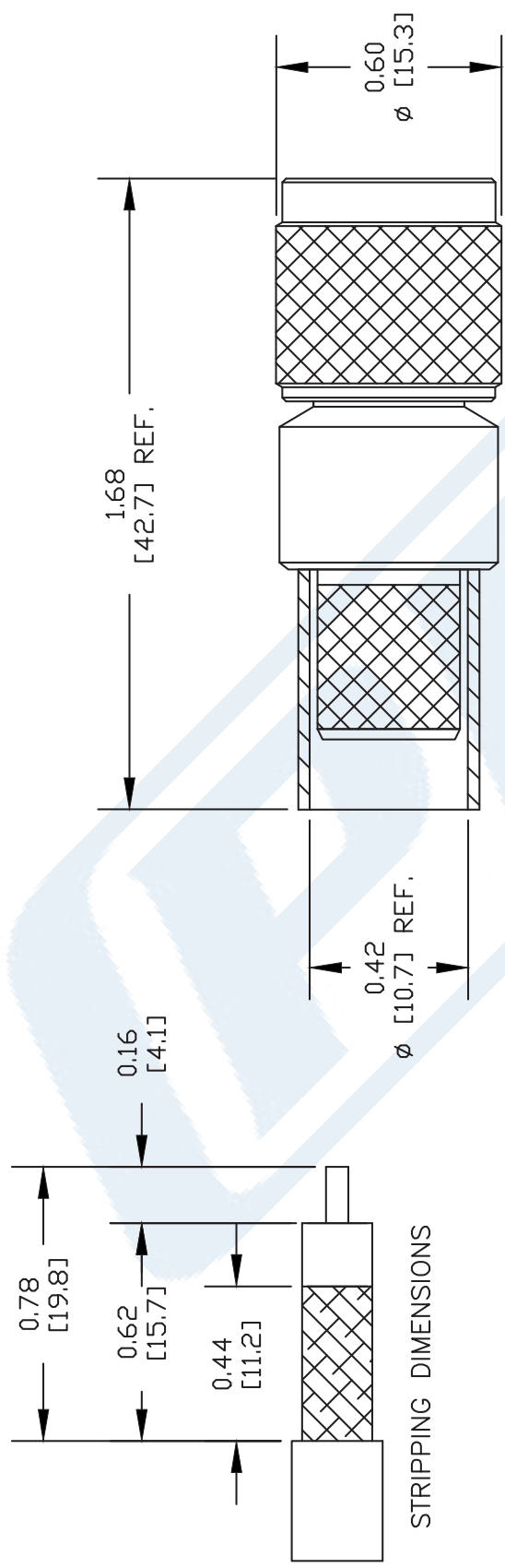
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URL: <https://www.pasternack.com/tnc-male-standard-pe-b400-pe-b405-pe-c400-connector-pe44293-p.aspx>

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.

PE44293 CAD Drawing

TNC Male Connector Crimp/Solder Attachment for PE-C400, PE-B400,
PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .429" HEX CRIMP TOOL

PE PASTERNAK®
Pasternack Enterprises, Inc.
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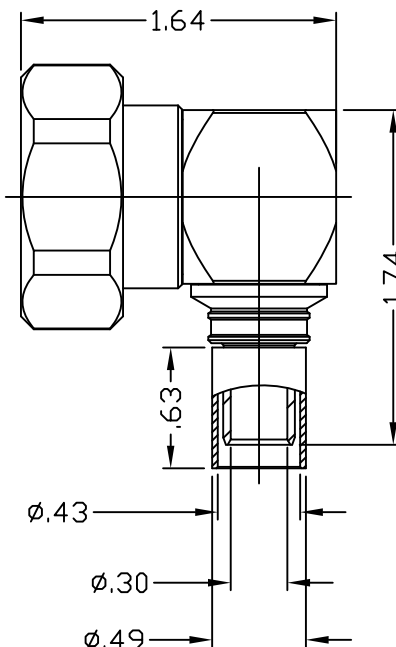
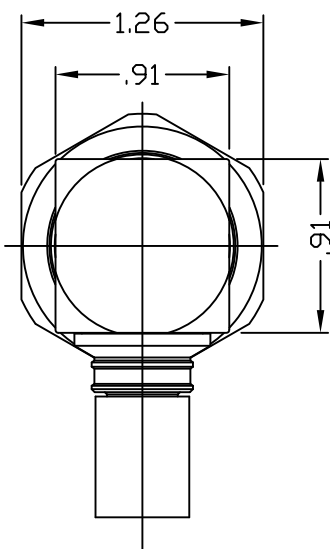
DWG TITLE
PE44293

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

REV. C	FSCM NO. 53919	CAD FILE 032411-C	SCALE N/A	SIZE A	127
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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	3/31/10	J.B.D.	5/17/10



Reference standard IEC60169-4

I Electric Performance

Nominal Impedance(Ω): 50
Frequency Range: DC-3GHz
VSWR: ≤ 1.15
INSERT LOSS: ≤ 0.1
Insulation resistance(M Ω) 10000
Proof voltage(V) 2500
Conductor resistance(m Ω) outer conductor ≤ 0.2
inner conductor ≤ 0.8

II Mechanical Performance

Pin torque 25N.m
(Nut)Whorl pull 1000N
Tensile force(cable-connect) 400N
Torsion(cable-connect) 2N.m

III Material and plating

Component	Material
Inner conductor	Spring Copper
Outer conductor	Brass
Ferrule	Copper
Nut	Brass
Gasket	Silicone rubber
Insulator	PTFE

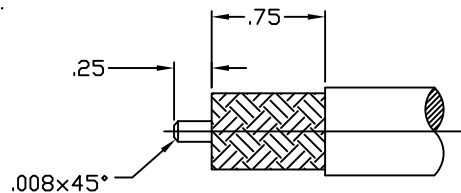
Plating
Ag 200 micro inches
Copper-tin-zin (Albaloy) 150 micro inches
Copper-tin-zin (Albaloy) 150 micro inches
Copper-tin-zin (Albaloy) 150 micro inches

IV Environment

Temp.range -55°C~+155°C
Weather standard IEC 60068 55 / 155/ 56
Thermal shock US MIL-STD 202,Meth.107,Cond.B
Vibration US MIL-STD 202,Meth.204,Cond.B
Shock US MIL-STD 202,Meth.213,Cond.I
Waterproofing standard IP67

V Assembly: inner conductor installed and
outer conductor crimped

VI ROHS Compliant.



Recommended
cable stripping Dim's

MATL:		UNLESS OTHERWISE SPECIFIED			DFTM. K. A. M.	TIMES MICROWAVE SYSTEMS		
		ALL DIMENSIONS ARE IN INCHES			DATE 3/31/10			
USED ON: 0					CHKD. J. D. B.	90° 7/16 MALE FOR LMR400 CABLE		
					DATE 5/17/10			
					APPD. J. D. B.			
SCALE: ~	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT	68999	DATE 5/17/10	SHEET 1 of 1	SD3190-2545	REV A

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket



LMR-400-LLPX

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

- UL CMP Plenum Rated
- Low Density PTFE Dielectric
- Low Loss
- Shielding >90 dB
- 1 Inch One Time Bend Radius
- Lightweight and Extremely Flexible

Applications

- Indoor Plenum Installations
- Land Mobile Radio (LMR)
- In-Building Wireless Systems

Description

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket by Times Microwave is part of our full line of RF components available for same-day shipping. The LMR-400-LLPX coaxial cable features a low loss low density PTFE dielectric, a solid copper clad aluminum center conductor, and a dual shield of a tinned copper braid over aluminum tape. These design features combine to make the Times Microwave LMR-400-LLPX a flexible, low loss, and low PIM coax cable that is ideal for indoor plenum installations, land mobile radio (LMR), and in-building wireless systems. The red fluoropolymer jacket provides protection as well as resulting in a highly fire retardant cable.

Our datasheet specifications and drawing with dimensions for Times Microwave LMR-400-LLPX coax cable are shown below in this PDF. Whether the need is to provide a low PIM, low loss indoor cable run or simply create a custom cable assembly configuration, Pasternack has the right LMR-400-LLPX cable assembly for the job.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		76		%
Shielding Effectiveness	90			dB
Nominal Capacitance		26.7 [87.6]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	0.9	1.6	1.9	2.8	4	dB/100ft
	2.95	5.25	6.23	9.19	13.12	dB/100m
Input Power (CW), Max	4.8	2.8	2.3	1.6	1.1	kWatts

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket



LMR-400-LLPX

Description	F6	F7	F8	F9	F10	Units
Frequency	1	1.5	2	2.5	5.8	GHz
Attenuation, Typ	4.2	5.2	6.1	6.8	10.7	dB/100ft
	13.78	17.06	20.01	22.31	35.1	dB/100m
Input Power (CW), Max	1,000	840	730	650	410	Watts

Mechanical Specifications

Diameter	0.37 in [9.4 mm]
Weight	0.104 lbs/ft [0.15 kg/m]
Min. Bend Radius (Repeated)	4 in [101.6 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strand	0.095 in [2.41 mm]
Conductor Type	Solid	
Dielectric	PTFE (LD)	0.285 in [7.24 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	Fluoropolymer, Red	0.37 in [9.4 mm]

Environmental Specifications

Temperature	
Operating Range	-40 to +125 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer Jacket



LMR-400-LLPX

Low Loss Flexible LMR-400-LLPX Plenum Rated Coax Cable Double Shielded with Red Fluoropolymer 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.

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URL: <https://www.pasternack.com/low-loss-flexible-lmr400llpx-fluoropolymer-jacket-aluminum-tape-over-tinned-copper-braid-outer-conductor-double-shielded-lmr-400-llpx-p.aspx>

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