PASTERNACK
an INFINITE brand

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

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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

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.

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

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

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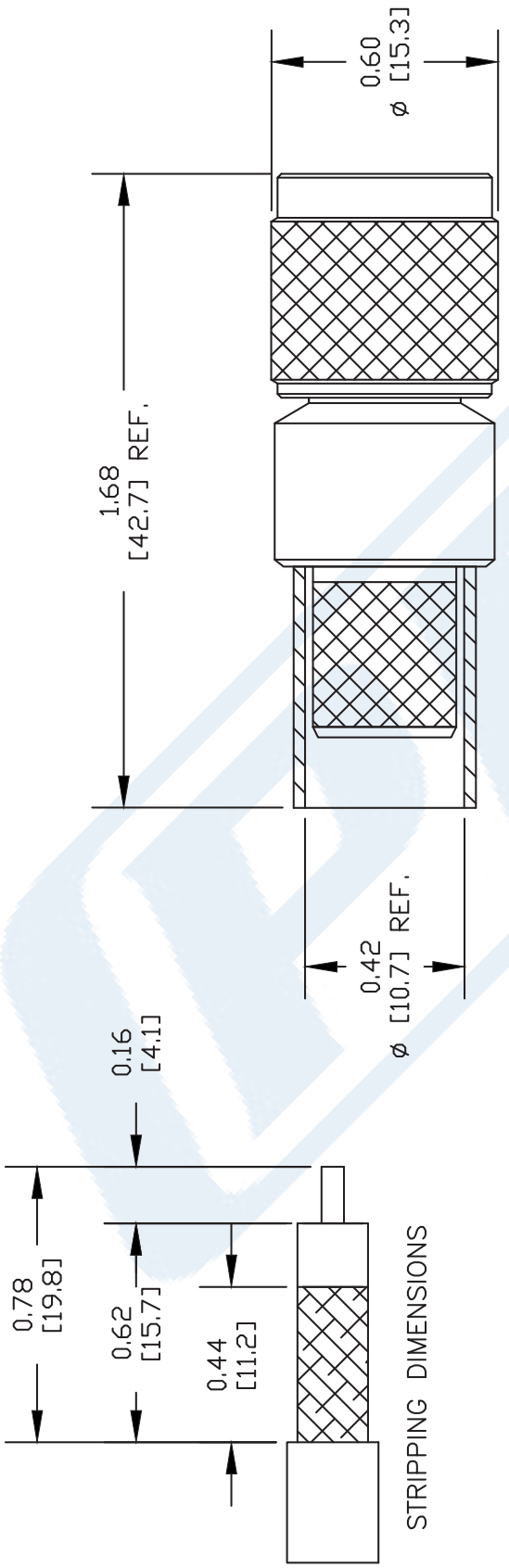
PE44293 CAD Drawing

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

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.

DWG TITLE **PE44293**

REV. C | FSCM NO. 53919 | CAD FILE 032411-C | SCALE N/A | SIZE A | 127

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TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400

RF Connectors
Technical Data Sheet

PE45639

Configuration

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.2:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45639 TNC female connector with solder attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405 and PE-C400 is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1.

Our TNC female connector PE45639 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		6	GHz
VSWR			1.2:1	
Insertion Loss			0.2	dB
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (DC)			1,500	Vdc

Mechanical Specifications

Size

Length	1.11 in [28.19 mm]
Width/Dia.	0.56 in [14.22 mm]
Weight	0.5 lbs [226.8 g]
Mating Cycles	500 Cycles

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400 PE45639

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TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-55 to +85 deg C
Humidity	MIL-Std. 202 Method 106
Vibration	MIL-Std. 202 Method 204 (Test Condition D)
Altitude	MIL-Std. 202 Method 105 (Test Condition C)
Temperature Cycle	MIL-Std. 202 Method 102 (Test Condition D)
Salt Spray	MIL-Std. 202 Method 101 (Test Condition B)

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400 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: TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400 PE45639

URL: https://www.pasternack.com/tnc-female-lmr-400-lmr-400-db-connector-pe45639-p.aspx

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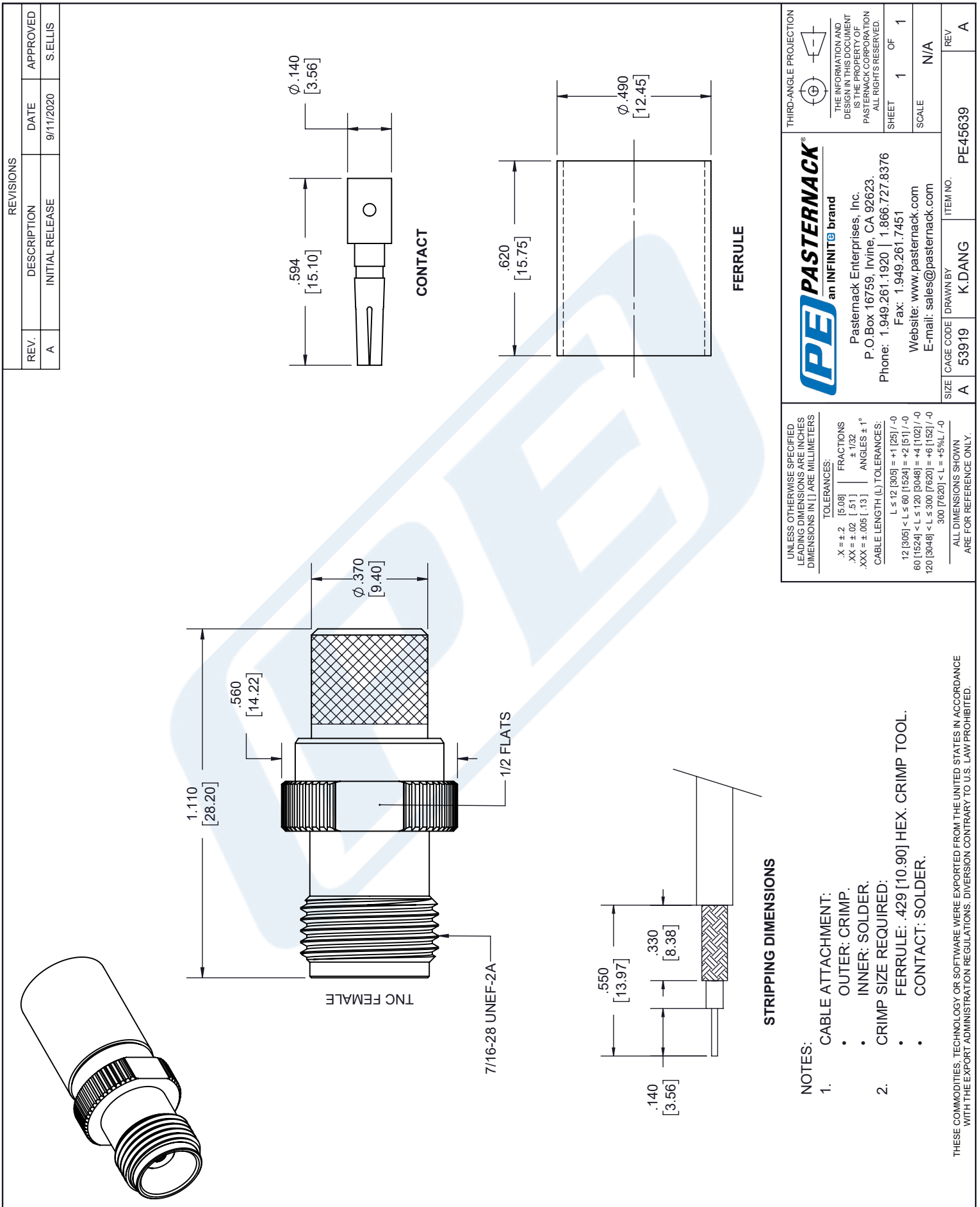
PE45639 CAD Drawing

TNC Female Connector Solder Attachment for LMR-400, LMR-400-DB, LMR-400-UF, PE-B400, PE-B405, PE-C400



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Low PIM Flexible TCOM-400 Coax Cable Double Shielded with Black PE Jacket

RF Cables
Technical Data Sheet

TIMES MICROWAVE SYSTEMS
An Amphenol Company

TCOM-400

Times Microwave Systems Coax Cable Specification

Configuration

- Low PIM Flexible Cable
- 2 Shield(s)

Description

TCOM-400 part number from Pasternack is a low PIM coax cable that is flexible. Pasternack flexible coax RF cable has an impedance of 50 Ohm and a Foam PE dielectric. Our TCOM-400 coax cable is constructed with a 0.405-inch jacket made of polyethylene. This coaxial cable has a dielectric withstanding voltage of 2500 Vdc.

The TCOM-400 flexible RF cable has a shield count of 2 and RF shielding of 100 dB. Our coax cable from Pasternack has a maximum frequency of 10 GHz. The maximum passive intermodulation of this low PIM cable is -155 dBc. Additional specifications for this TCOM-400 double-shielded RF coaxial cable are on our downloadable PDF datasheet above.

Our TCOM-400 coax cable can operate at temperatures ranging from -40 to 85 degrees C. This black-colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 15.7 dB/100ft at a frequency of 10 GHz. The TCOM-400 flexible RF cable has a solid copper clad aluminum center conductor. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid.

Pasternack TCOM-400 low PIM coax cables are part of over 40,000 RF, microwave, and millimeter wave components. These flexible cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using TCOM-400 or other coax can be built and shipped the same business day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		85		%
Time Delay		1.2 [3.94]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
Dielectric Withstanding Voltage (DC)			2,500	Vdc
Jacket Spark			8,000	Vrms
Inner Conductor DC Resistance			1.39	Ohms/1000ft
Outer Conductor DC Resistance			1.47	Ohms/1000ft
Nominal Capacitance		23.9 [78.41]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			16	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 TCOM-400 Coax Cable Double Shielded with Black PE Jacket TCOM-400

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Low PIM Flexible TCOM-400 Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

TIMES MICROWAVE SYSTEMS An Amphenol Company

TCOM-400

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Typ	1.6	2	2.9	4.2	5.4	dB/100ft
	5.25	6.56	9.51	13.78	17.72	dB/100m
Input Power (CW), Max	1,380	1,130	780	540	410	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	6	6.4	7.2	11.5	15.7	dB/100ft
	19.69	21	23.62	37.73	51.51	dB/100m
Input Power (CW), Max	370	350	310	190	140	Watts

Mechanical Specifications

Diameter	0.405 in [10.29 mm}
Weight	0.08 lbs/ft [0.12 kg/m]
Min. Bend Radius (Installation)	1 in [25.4 mm]
Min. Bend Radius (Repeated)	4 in [101.6 mm]
Bending Moment	0.5 lbs-ft [0.68 N-m]
Tensile Strength	160 lbs [72.57 kg]
Flat Plate Crush	40 lbs/in [0.71 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Aluminum, 1 Strand	0.108 in [2.74 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	0.295 in [7.49 mm]

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 TCOM-400 Coax Cable Double Shielded with Black PE Jacket TCOM-400

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Low PIM Flexible TCOM-400 Coax Cable Double Shielded with Black PE Jacket

Second Shield	Tinned Copper Braid	0.33 in [8.38 mm]
Jacket	PE, Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Low PIM Flexible TCOM-400 Coax Cable Double Shielded with Black PE 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 TCOM-400 Coax Cable Double Shielded with Black PE Jacket TCOM-400

URL: https://www.pasternack.com/low-pim-flexible-tcom400-pe-jacket-silver-plated-copper-braid-over-tinned-copper-braid-outer-conductor-double-shielded-tcom-400-p.aspx

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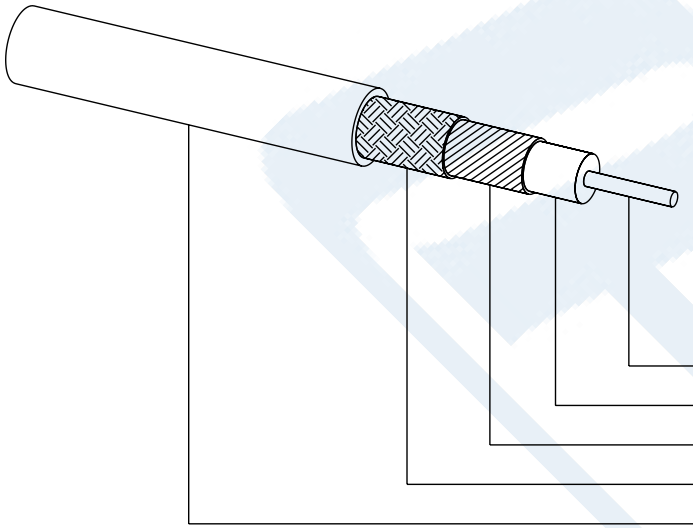
REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	3/20/2023	KDANG	AGANWANI



Inner Conductor	∅.108 [2.74]	Solid BCCAl
Dielectric	∅.285 [7.24]	Foam PE (Polyethylene)
First Shield	∅.295 [7.49]	SPC Strip Braid
Second Shield	∅.330 [8.38]	TC Braid Over Al Tape
Jacket	∅.405 [10.29]	Black PE (Polyethylene)

TIMES MICROWAVE SYSTEMS An Amphenol Company

TCOM-400 CAD Drawing

Low PIM Flexible TCOM-400 Coax Cable Double Shielded with Black PE Jacket

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

TOLERANCES:

.X = ±.2 [5] | FRACTIONS ± 1/32
.XX = ±.02 [.5] | ANGLES ± 1°
.XXX = ±.005 [.13]

CABLE LENGTH TOLERANCES:

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

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION: Low PIM Flexible TCOM-400 Rated Coax Cable Double Shielded with Black PE Jacket

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KDANG	TCOM-400	A