



RP TNC Female 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

PE44673

### Configuration

- TNC Female Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry

- PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

- Reverse Polarity

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44673 RP TNC female connector with crimp/solder attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF and 0.400 inch is part of our full line of RF components available for same-day shipping. The female reverse polarity configuration uses a female connector body with a male inner contact pin. Our TNC female connector operates up to a maximum frequency of 11 GHz.

Our reverse polarity TNC female connector PE44673 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   |

### Mechanical Specifications

#### Size

Length

1.595 in [40.51 mm]

Width/Dia.

0.54 in [13.72 mm]

Weight

0.043 lbs [19.5 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP TNC Female Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44673](#)



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### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact     | Brass    | Gold    |
| Insulation  | PTFE     |         |
| Body        | Brass    | Nickel  |

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

RP TNC Female 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% availability and are part of the broadest selection in the industry.

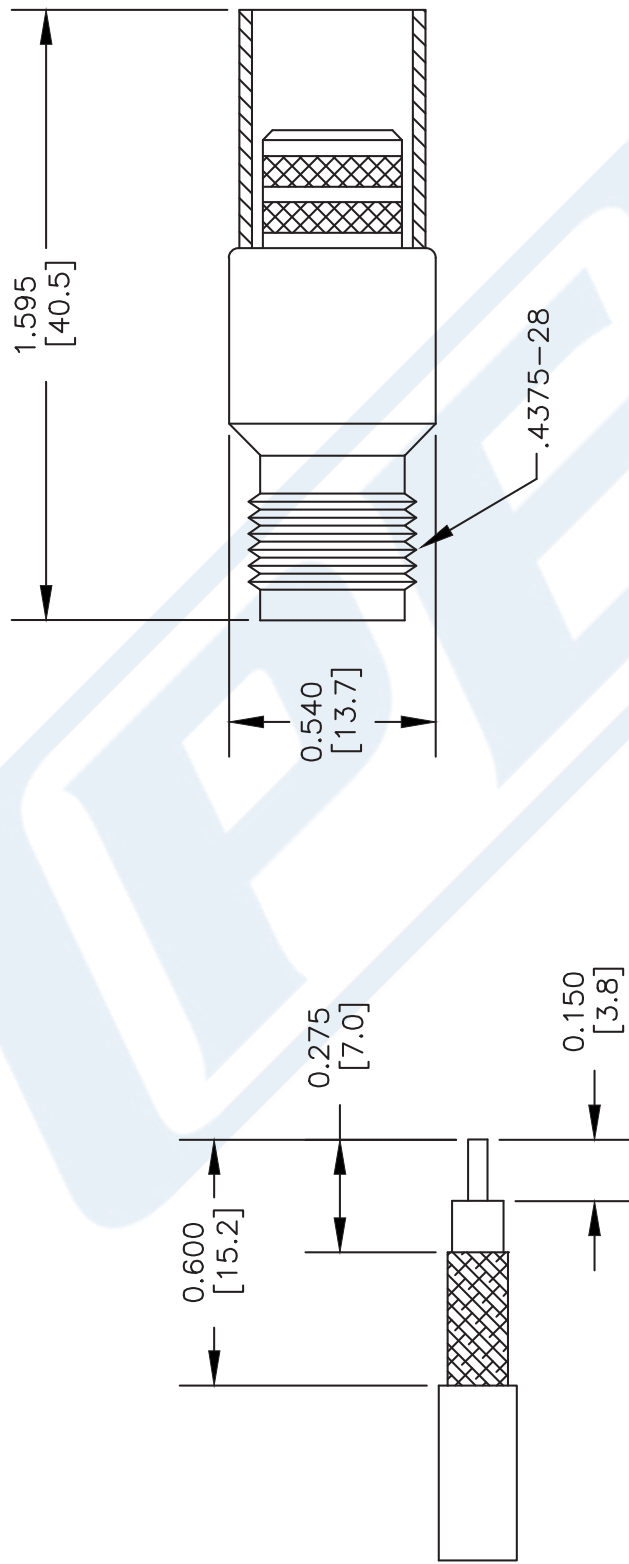
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URL: <https://www.pasternack.com/tnc-female-reverse-polarity-pe-c400-0.400-connector-pe44673-p.aspx>

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PE44673 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .429" HEX CRIMP TOOL

**PE PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE  
**PE44673**

FSCM NO. 53919

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.

CAD FILE 102109

SCALE N/A

SIZE A

XXXX



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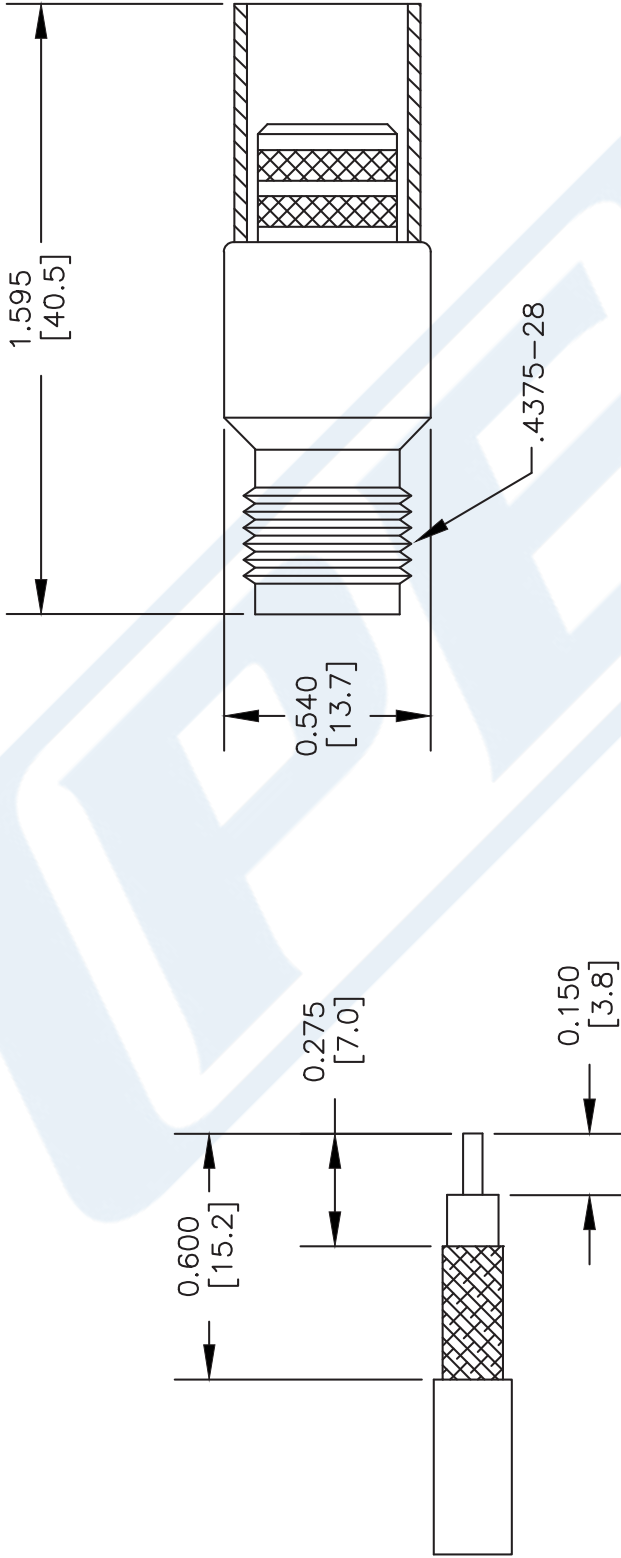
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URL: <https://www.pasternack.com/tnc-female-reverse-polarity-pe-c400-0.400-connector-pe44673-p.aspx>

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PE44673 CAD Drawing

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



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|           |  |                |  |                 |  |           |  |        |  |     |  |
|-----------|--|----------------|--|-----------------|--|-----------|--|--------|--|-----|--|
| DWG TITLE |  | FSCM NO. 53919 |  | CAD FILE 102109 |  | SCALE N/A |  | SIZE A |  | XXX |  |
| PE44673   |  |                |  |                 |  |           |  |        |  |     |  |

**PASTERNAK®**  
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## Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet


**LMR-400**

#### Times Microwave Systems Coax Cable Specification Configuration

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

#### Features

- Flexible Low Loss Communications Coax
- Replacement for Air Dielectric type RG8 cable
- Double Shields provides RF Shielding in excess of 90 db
- Low Loss size for size compared to standard flexible cable

#### Description

Flexible Low Loss Communications Coax Replacement for Air Dielectric type RG8 cable Double Shields provides RF Shielding in excess of 90 db Low Loss size for size compared to standard flexible cable

#### Electrical Specifications

| Description                          | Minimum | Typical      | Maximum | Units        |
|--------------------------------------|---------|--------------|---------|--------------|
| Frequency Range                      | DC      |              | 6       | GHz          |
| Impedance                            |         | 50           |         | Ohms         |
| Velocity of Propagation              |         | 85           |         | %            |
| Time Delay                           |         | 1.2 [3.94]   |         | ns/ft [ns/m] |
| Shielding Effectiveness              | 90      |              |         | dB           |
| Dielectric Withstanding Voltage (DC) |         |              | 2,500   | Vdc          |
| Jacket Spark                         |         |              | 8,000   | Vrms         |
| Inner Conductor DC Resistance        |         |              | 1.39    | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |              | 1.65    | 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 Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-400](#)



## Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4   | F5   | Units    |
|-----------------------|-------|-------|-------|------|------|----------|
| Frequency             | 50    | 150   | 220   | 450  | 900  | MHz      |
| Attenuation, Typ      | 0.9   | 1.5   | 1.9   | 2.7  | 3.9  | dB/100ft |
|                       | 2.95  | 4.92  | 6.23  | 8.86 | 12.8 | dB/100m  |
| Input Power (CW), Max | 2,570 | 1,470 | 1,200 | 830  | 580  | Watts    |

| Description           | F6    | F7   | F8    | F9    | F10   | Units    |
|-----------------------|-------|------|-------|-------|-------|----------|
| Frequency             | 1.5   | 1.8  | 2     | 2.5   | 5.8   | GHz      |
| Attenuation, Typ      | 5.1   | 5.7  | 6     | 6.8   | 10.8  | dB/100ft |
|                       | 16.73 | 18.7 | 19.69 | 22.31 | 35.43 | dB/100m  |
| Input Power (CW), Max | 440   | 400  | 370   | 330   | 210   | Watts    |

#### Mechanical Specifications

|                                 |                         |
|---------------------------------|-------------------------|
| Diameter                        | 0.405 in [10.29 mm]     |
| Weight                          | 0.067 lbs/ft [0.1 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    | Aluminum Tape                  | 0.29 in [7.37 mm]  |
| Second Shield   | Tinned Copper Braid            | 0.32 in [8.13 mm]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-400](#)





Low Loss Flexible LMR-400 Outdoor Rated Coax  
Cable Double Shielded with Black PE Jacket

**RF Cables**  
**Technical Data Sheet**

|        |           |                     |
|--------|-----------|---------------------|
| Jacket | PE, Black | 0.405 in [10.29 mm] |
|--------|-----------|---------------------|

**Environmental Specifications**

**Temperature**

Operating 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**

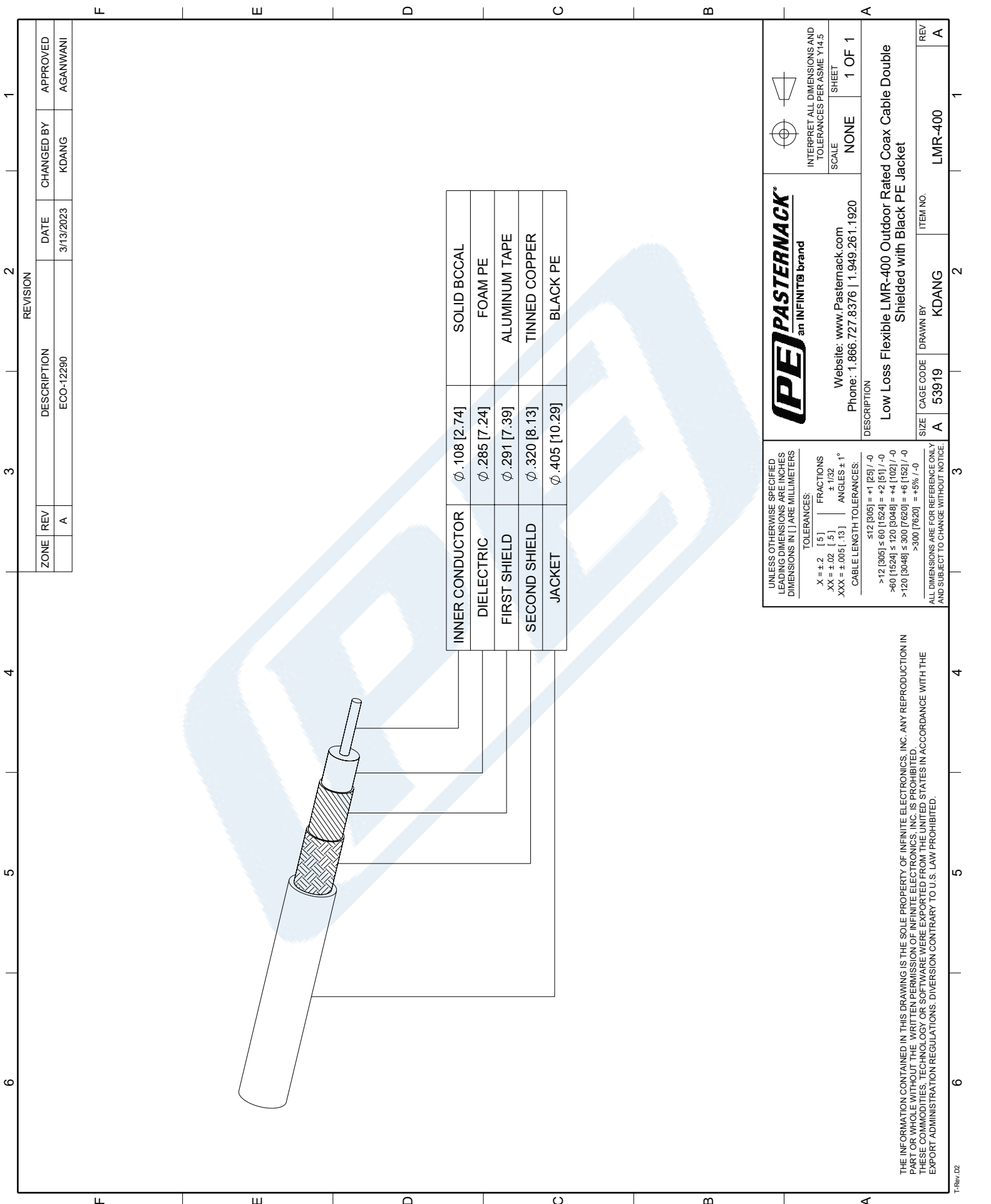
Notes:

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URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr400-pe-jacket-double-shielded-black-lmr-400-p.aspx>

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| ZONE | REV | DESCRIPTION | DATE      | CHANGED BY | APPROVED |
|------|-----|-------------|-----------|------------|----------|
|      | A   | ECO-12290   | 3/13/2023 | KDANG      | AGANWANI |

|                 |                |               |
|-----------------|----------------|---------------|
| INNER CONDUCTOR | Ø .108 [2.74]  | SOLID BCCAL   |
| DIELECTRIC      | Ø .285 [7.24]  | FOAM PE       |
| FIRST SHIELD    | Ø .291 [7.39]  | ALUMINUM TAPE |
| SECOND SHIELD   | Ø .320 [8.13]  | TINNED COPPER |
| JACKET          | Ø .405 [10.29] | BLACK PE      |

**(PE) PASTERNAK**  
an INFINITI® brand

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Phone: 1.866.727.8376 | 1.949.261.1920

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.

INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION  
Low Loss Flexible LMR-400 Outdoor Rated Coax Cable Double  
Shielded with Black PE Jacket

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

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