



N 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

PE44522

Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, .400 inch
- 18 mm Hex

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 15 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44522 type N 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 type N male connector operates up to a maximum frequency of 11 GHz.

Our type N male connector PE44522 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 | 1.48 in [37.59 mm] |
| Width/Dia. | 0.83 in [21.08 mm] |
| Weight | 0.075 lbs [34.02 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44522](#)



N 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

PE44522

Material Specifications

| Description | Material | Plating |
|--------------|----------|------------------------|
| Contact | Brass | Gold 15 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal |
| Coupling Nut | Brass | Tri-Metal |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

N 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: [N Male Connector Crimp/Solder Attachment for PE-C400, PE-B400, PE-B405, LMR-400, LMR-400-DB, LMR-400-UF, 0.400 inch PE44522](#)

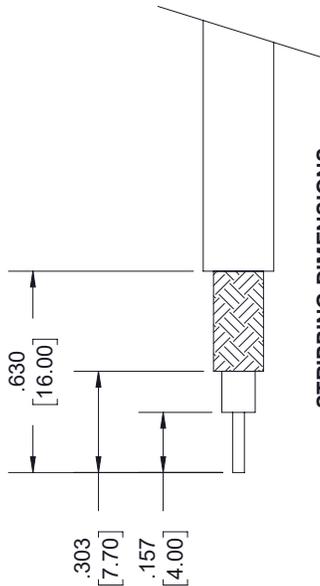
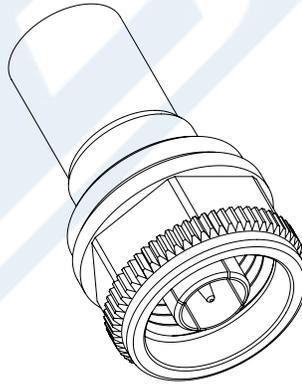
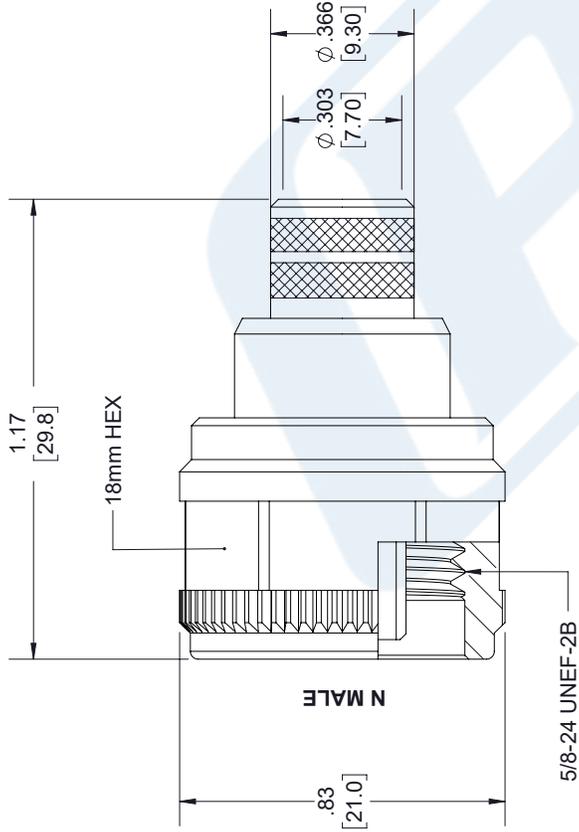
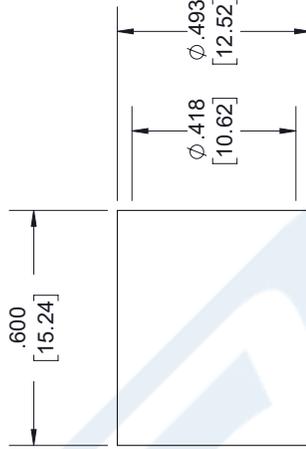
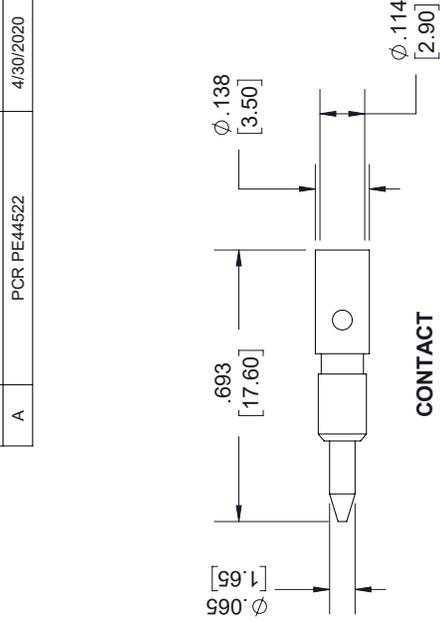
URL: <https://www.pasternack.com/n-male-standard-pe-c400-0.400-connector-pe44522-p.aspx>

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PE44522 CAD Drawing

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

| REVISIONS | | | |
|-----------|-------------|-----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | PCR PE44522 | 4/30/2020 | S. ELLIS |



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
- CRIMP SIZE REQUIRED:
 - FERRULE: .429 [10.90] HEX. CRIMP TOOL.
 - CONTACT: .118 [3.00] HEX. CRIMP TOOL.

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

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32
 .XX = ±.02 [.51] ANGLES ± 1°
 .XXX = ±.005 [.13] 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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SHEET 1 OF 1

SCALE N/A

REV A



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ITEM NO. PE44522

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

REV A

SMA Right Angle Male Connector Crimp Attachment for LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR



PE5129

Configuration

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR

Features

- Max. Operating Frequency 6 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE5129 Right Angle, SMA, Connector is part of our full line of RF components available for same-day shipping. Our Right Angle, SMA male connector operates up to a maximum frequency of 6 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE5129 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 |
| Insulation Resistance | 5,000 | | | MOhms |
| Impedance | | 50 | | Ohms |

Performance by Frequency

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------|---------|----|----|----|----|-------|
| Frequency Range | DC to 3 | | | | | GHz |
| VSWR, Max | 1.25:1 | | | | | |

Mechanical Specifications

Size

| | |
|--------|---------------------|
| Length | 1.35 in [34.29 mm] |
| Width | 0.91 in [23.11 mm] |
| Height | 0.49 in [12.45 mm] |
| Weight | 0.047 lbs [21.32 g] |

SMA Right Angle Male Connector Crimp Attachment
for LMR-400, LMR-LW400, TCOM-400, LMR-400-
LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR



PE5129

Material Specifications

| Description | Material | Plating |
|--------------|-----------------|-----------|
| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Tri-metal |
| Gasket | Silicone Rubber | |
| Crimp Sleeve | Brass | Tri-metal |

Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

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

Plotted and Other Data

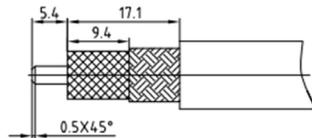
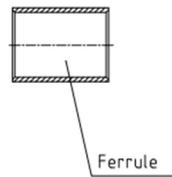
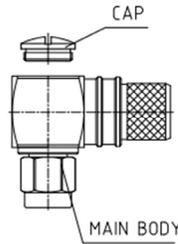
Notes:

SMA Right Angle Male Connector Crimp Attachment
for LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR

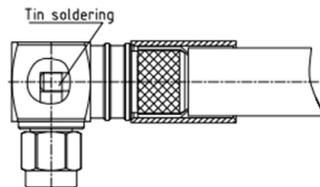


PE5129

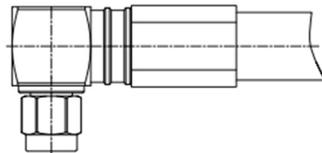
Assembly Instruction



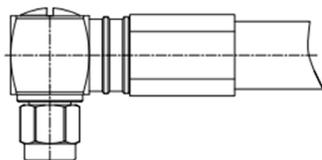
- 1.A. Stripping dimension is as shown by diagram, attention should be paid while stripping.
- B. Remove residual burr.



- 2.A. Put the connector in place, Then push the ferrule.
- B. Solder inner conduct.
- C. Remove residual burr.



- 3.A. Compression crimping sleeve
- B. Push the heat shrink tube, blow it with heat gun.



- 3.A. Screw on the end cap.

SMA Right Angle Male Connector Crimp Attachment for LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR



PE5129

SMA Right Angle Male Connector Crimp Attachment for LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR 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.

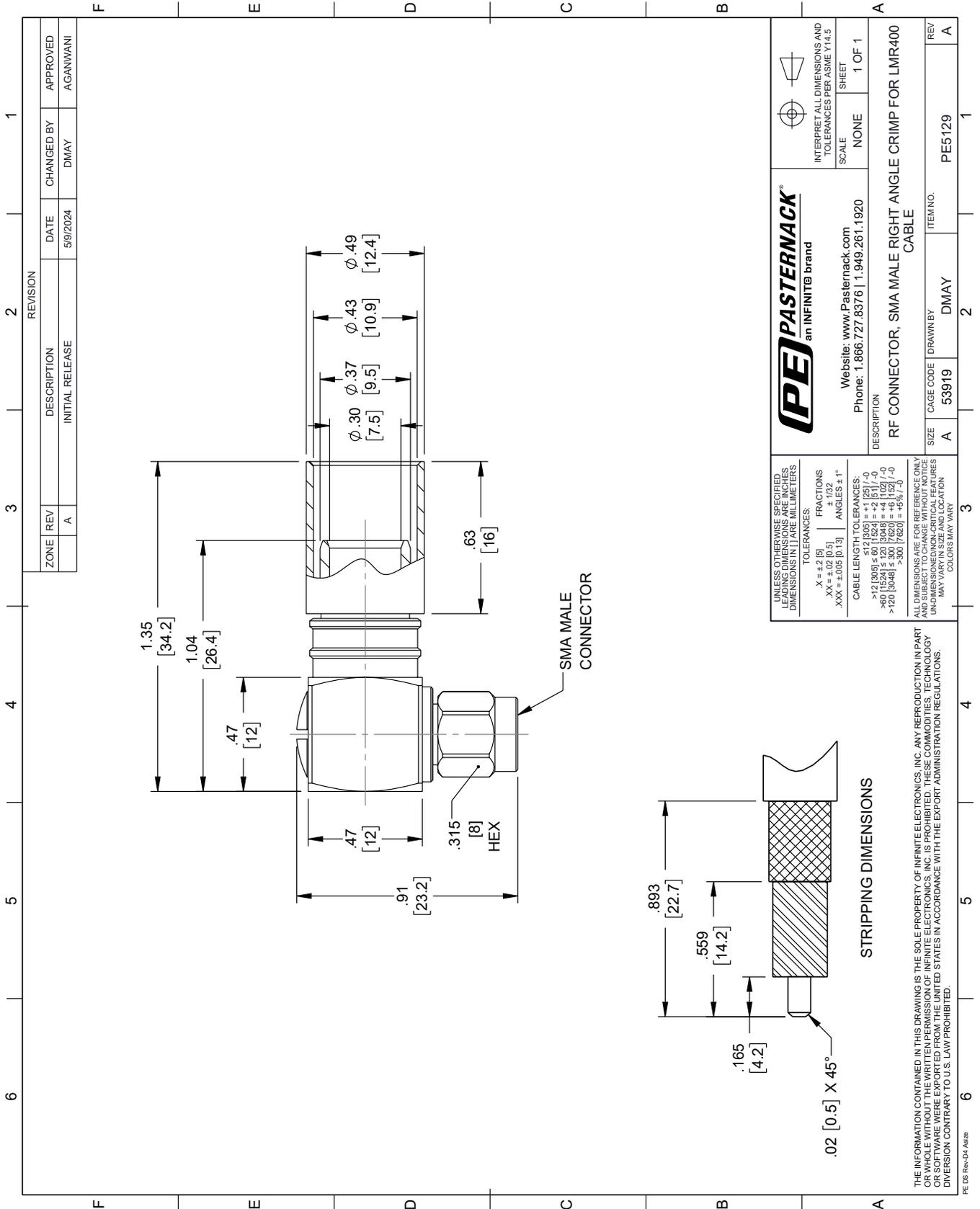
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URL: <https://www.pasternack.com/sma-male-lmr-400-lmr-lw400-lmr-400-llpx-connector-pe5129-p.aspx>

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PE5129 CAD Drawing

SMA Right Angle Male Connector Crimp Attachment for LMR-400, LMR-LW400, TCOM-400, LMR-400-LLPX, PE-B400, PE-B405, PE-C400, LMR-400-FR





Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C400

Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|--------------|---------|--------------|
| Frequency Range | DC | | 5.8 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 85 | | % |
| Shielding Effectiveness | 90 | | | dB |
| Inner Conductor DC Resistance | | | 1.39 | Ohms/1000ft |
| Outer Conductor DC Resistance | | | 1.85 | Ohms/1000ft |
| Nominal Capacitance | | 23.9 [78.41] | | pF/ft [pF/m] |
| Nominal Inductance | | 0.059 [0.19] | | uH/ft [uH/m] |
| Power@ 1GHz | | | 480 | Watts |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|------|-------|------|----------|
| Frequency | 150 | 220 | 450 | 750 | 900 | MHz |
| Attenuation, Typ | 1.5 | 1.9 | 2.7 | 3.55 | 3.9 | dB/100ft |
| | 4.92 | 6.23 | 8.86 | 11.65 | 12.8 | dB/100m |
| Input Power (CW), Max | 1,280 | 1,050 | 720 | 560 | 500 | 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 | 380 | 340 | 330 | 290 | 180 | Watts |

Mechanical Specifications

| | |
|----------|--------------------------|
| Diameter | 0.405 in [10.29 mm] |
| Weight | 0.063 lbs/ft [0.09 kg/m] |

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 RG8 Type Coax Cable Double Shielded with Black PE Jacket PE-C400](#)



Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket

RF Cables Technical Data Sheet

PE-C400

Min. Bend Radius (Repeated) 4 in [101.6 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 | [] |
| Second Shield | Tinned Copper Braid | 0.32 in [8.13 mm] |
| Jacket | PE, Black | 0.405 in [10.29 mm] |

Environmental Specifications

Temperature

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

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

Plotted and Other Data

Notes:

Low Loss Flexible RG8 Type 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 Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket PE-C400](#)

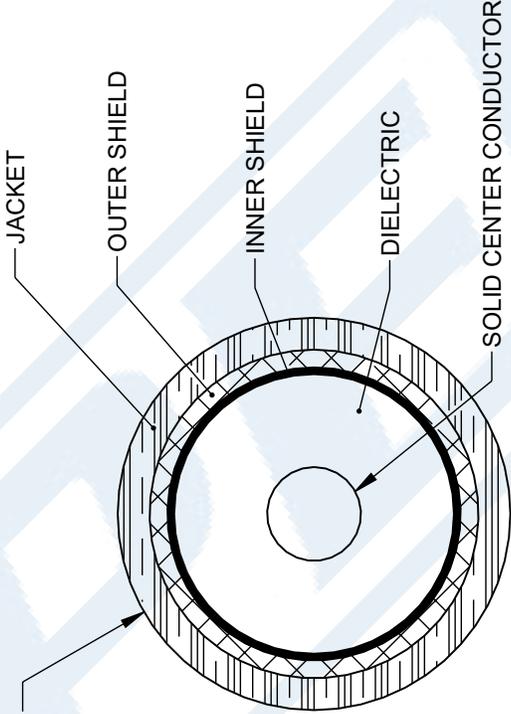
URL: <https://www.pasternack.com/flexible-0.405-50-ohm-coax-cable-pe-jacket-pe-c400-p.aspx>

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PE-C400 CAD Drawing

Low Loss Flexible RG8 Type Coax Cable Double Shielded with Black PE Jacket

| REVISION | | | | | |
|----------|-----|-------------|------------|------------|----------|
| ZONE | REV | DESCRIPTION | DATE | CHANGED BY | APPROVED |
| | B | ECO-12291 | 08/03/2023 | AKRESOWSKI | SRAUTUS |



Ø .400±.008 [10.16±0.2]

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

TOLERANCES:

| | |
|---------------------|------------------|
| .X = ±.2 [5] | FRACTIONS ± 1/32 |
| .XX = ±.02 [0.5] | ANGLES ± 1° |
| .XXX = ±.005 [0.13] | |

CABLE LENGTH TOLERANCES:

| | |
|--------------------------|-----------|
| ≤12 [305] | ±.1 [25] |
| >.12 [305] ≤.60 [1524] | ±.2 [51] |
| >.60 [1524] ≤.120 [3048] | ±.4 [102] |
| >.120 [3048] | ±.8 [203] |

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS INDICATED OTHERWISE. CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
LOW LOSS FLEXIBLE RG8 TYPE COAX CABLE DOUBLE SHIELDED WITH BLACK PE JACKET

| | | | |
|------|------------|------------|----------|
| SIZE | CABLE CODE | DRAWN BY | ITEM NO. |
| A | 53919 | AKRESOWSKI | |

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

| | |
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| REV | B |
| REV | B |

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