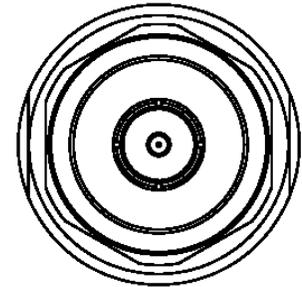
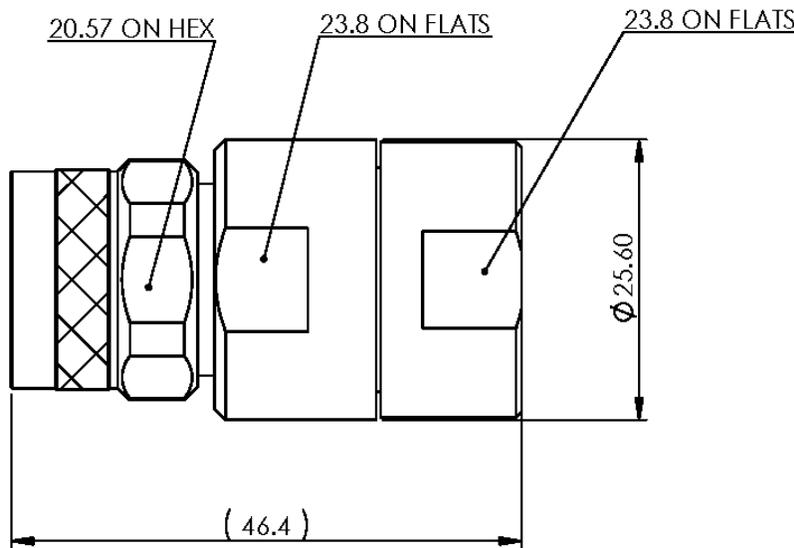
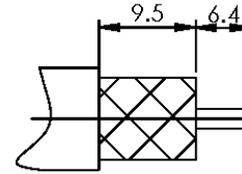


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| SYM | REVISION DESCRIPTION | DFTM | DATE | APPD | DATE |
|-----|-------------------------|--------|---------|--------|--------|
| A | RELEASED FOR PRODUCTION | K.A.M. | 5/20/11 | J.D.B. | 6/9/11 |



Reference standard IEC60169-16

I. Electric Performance

Nominal Impedance(Ω): 50
 Frequency Range: DC-6GHz
 VSWR: ≤ 1.35
 Insert Loss: ≤ 0.10 (0-3G)
 Insulation resistance ($M\Omega$): > 5000
 Proof voltage (V): 2500
 Conductor resistance ($m\Omega$):
 outer conductor < 0.4
 inner conductor < 0.8

II. Mechanical Performance

Whorl pull: 500N
 Nut torque: 5N.m
 Tensile force(cable-connect): 300N
 Torsion(cable-connect): 3N.m

II. Material and plating :

| Component | Material | Plating |
|-----------------|------------------|---------------------------|
| inner conductor | Beryllium copper | Au $>1.27\mu m$ |
| outer conductor | Brass | Copper-tin-zinc $>2\mu m$ |
| insulator | PTFE | |
| nut | Brass | Copper-tin-zinc $>2\mu m$ |

III. Environment

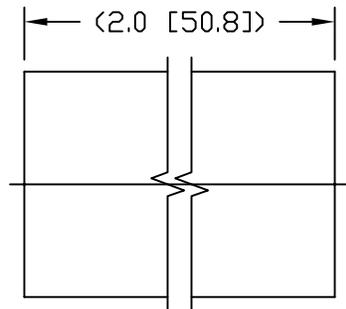
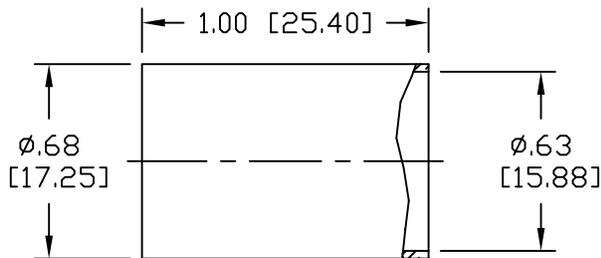
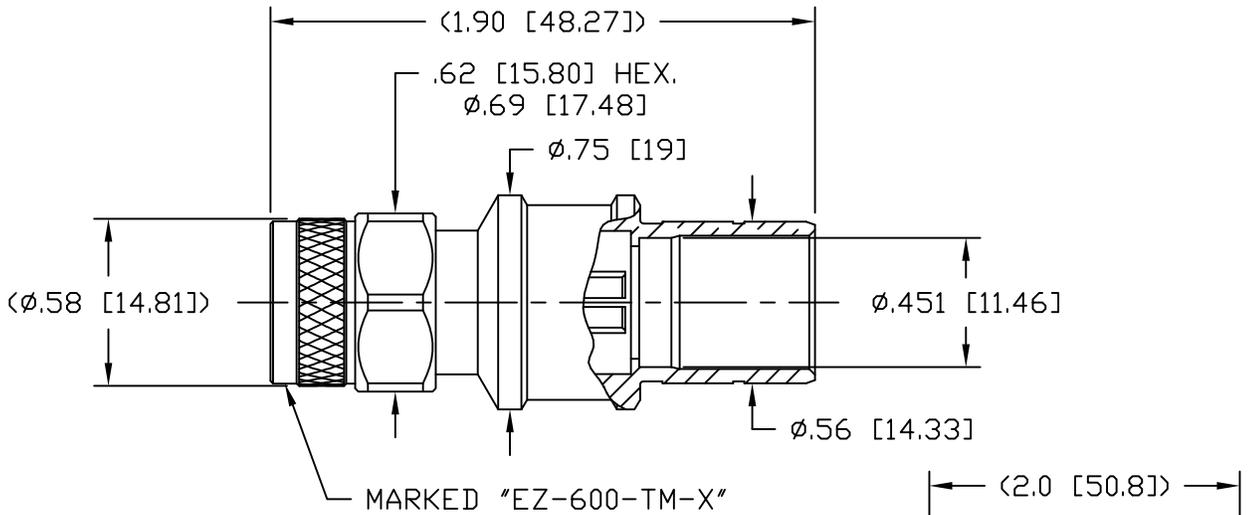
| | |
|------------------|--------------------------------|
| Temp.range | -55°C~+155°C |
| Thermal shock | US MIL-STD 202,Meth.107,Cond.B |
| Vibration | US MIL-STD 202,Meth.204,Cond.B |
| Shock | US MIL-STD 202,Meth.213,Cond.I |
| Weather standard | IEC 68 55 /155/ 56 |
| ROHS compliant | |

V. Assemble: inner and outer conductor installed

| | | | | | | | |
|----------|----------------------------|----------------------|-------------------|---|---------------|-------------|--------|
| MATL: | UNLESS OTHERWISE SPECIFIED | | DFTM: K. A. M. | TIMES MICROWAVE SYSTEMS | | | |
| | ALL DIMENSIONS ARE IN mm | | DATE: 5/20/11 | | | | |
| USED ON: | | | CHKD: J. D. B. | CONNECTOR, NM FOR LMR-600 (EZ-600-NMC-2-D) | | | |
| | | | DATE: 6/9/11 | | | | |
| SCALE: ~ | DWG. SIZE: A | DO NOT SCALE DRAWING | CODE IDENT: 68999 | DATE: 6/9/11 | SHEET: 1 of 1 | SD3190-2641 | REV: A |

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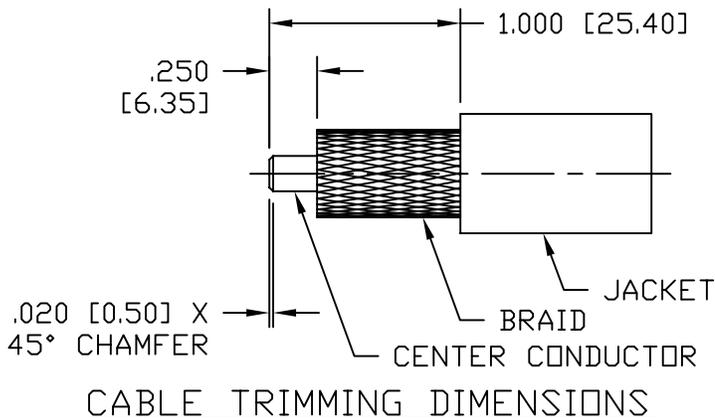
| SYM | REVISION DESCRIPTION | DFTM | DATE | APPD | DATE |
|-----|-------------------------|--------|----------|--------|----------|
| A | RELEASED FOR PRODUCTION | K.A.M. | 2/24/10 | J.D.B. | 3/11/10 |
| B | CHANGED PER CDC #34322 | D.J.H. | 10/12/11 | J.D.B. | 10/27/11 |



HEAT SHRINK TUBING

NOTES:

- MATERIALS AND FINISHES:**
 BODY: BRASS, ALBALDY PLATING
 COUPLING NUT: BRASS, ALBALDY PLATING
 CENTER CONTACT: BERYLLIUM COPPER, GOLD PLATE
 INSULATOR: PTFE, NATURAL
 FERRULE: COPPER, ALBALDY PLATING
- ELECTRICAL:**
 IMPEDANCE: 50 OHMS NOMINAL
 FREQUENCY: DC-6 GHz
 VSWR: 1.2 DC-6 GHz
 DIELECTRIC WITHSTANDING VOLTAGE: 1,500 VOLTS RMS
- MECHANICAL:**
 DURABILITY: 500 CYCLES MIN.
 TEMPERATURE RANGE: -65°C TO +165°C
- CABLING INSTRUCTIONS:**
 A. SLIDE FERRULE OVER CABLE JACKET
 B. TRIM CABLE TO DIMENSIONS SHOWN. MAKE SURE CUTS ARE SHARP AND SQUARE. DO NOT NICK BRAID OR CENTER CONDUCTOR.
 C. FLAIR BRAID SLIGHTLY AND INSERT CABLE INTO BODY UNTIL BOTTOMED. (CONTACT SUPPLIED ASSEMBLED.) SLIDE THE FERRULE UP THE CABLE AND OVER THE BRAID UNTIL BOTTOMED ON BODY. CRIMP FERRULE USING A .612 HEX.



CABLE TRIMMING DIMENSIONS

| | | | |
|----------------------|--|----------------|--|
| MATERIAL: | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 32 RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64 | DFTM: K. A. M. | TIMES MICROWAVE SYSTEMS |
| | | DATE: 2/24/10 | |
| USED ON: A | | CHKD: J. D. B. | EZ-600-TM-X PLUG, TNC, EZ FOR LMR-600 |
| | | DATE: 3/11/10 | |
| SCALE: ~ | DWG. SIZE: A | APPD: J. D. B. | SHEET: 1 of 1 |
| | | DATE: 3/11/10 | |
| DO NOT SCALE DRAWING | CODE IDENT: 68999 | DATE: 3/11/10 | REV: B |



Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C600

Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

Configuration

| | |
|--------------------------------------|------------------------------------|
| Cable Design | Low Loss |
| Inner Conductor Material and Plating | Copper Clad Aluminum |
| Dielectric Type | PE (F) |
| Shield Materials | Aluminum Tape, Tinned Copper Braid |
| Jacket Material and Color | PE, Black |

Electrical Specifications

| | |
|----------------------------------|--------------|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 87 |
| Maximum Operating Frequency, GHz | 5.8 |
| RF Shielding, dB | 90 |
| Capacitance, pF/ft [pF/m] | 23.4 [76.77] |
| Jacket Spark, Vrms | 5,000 |
| Peak Power, KWatts | 40 |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|----------|
| Frequency, MHz | 150 |
| Attenuation, dB/100ft [dB/100m] | 1 [3.28] |
| Power Handling, KWatts | 2.16 |

Frequency 2

| | |
|---------------------------------|------------|
| Frequency, MHz | 450 |
| Attenuation, dB/100ft [dB/100m] | 1.7 [5.58] |
| Power Handling, KWatts | 1.23 |

Frequency 3

| | |
|---------------------------------|-----------|
| Frequency, MHz | 900 |
| Attenuation, dB/100ft [dB/100m] | 2.5 [8.2] |
| Power Handling, Watts | 840 |

Frequency 4

| | |
|---------------------------------|-------------|
| Frequency, GHz | 1.5 |
| Attenuation, dB/100ft [dB/100m] | 3.3 [10.83] |
| Power Handling, Watts | 630 |

Frequency 5

| | |
|---------------------------------|-------------|
| Frequency, GHz | 1.8 |
| Attenuation, dB/100ft [dB/100m] | 3.7 [12.14] |
| Power Handling, Watts | 570 |

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 .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C600](#)

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.



Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C600
Frequency 6

| | |
|---------------------------------|------------|
| Frequency, GHz | 2 |
| Attenuation, dB/100ft [dB/100m] | 3.9 [12.8] |
| Power Handling, Watts | 540 |

Frequency 7

| | |
|---------------------------------|-------------|
| Frequency, GHz | 2.5 |
| Attenuation, dB/100ft [dB/100m] | 4.4 [14.44] |
| Power Handling, Watts | 480 |

Frequency 8

| | |
|---------------------------------|-------------|
| Frequency, GHz | 5.8 |
| Attenuation, dB/100ft [dB/100m] | 7.3 [23.95] |
| Power Handling, Watts | 290 |

Mechanical Specifications
Temperature

| | |
|------------------------|------------|
| Operating Range, deg C | -40 to +85 |
| Storage Range, deg C | -40 to +85 |

Inner Conductor

| | |
|-------------------|----------------------|
| Number of Strands | 1 |
| Material | Copper Clad Aluminum |
| Diameter, in [mm] | 0.176 [4.47] |

Dielectric:

| | |
|-------------------|---------------|
| Type | PE (F) |
| Diameter, in [mm] | 0.455 [11.56] |

Shield:

| | |
|-------------------|---------------------|
| Number of | 2 |
| Material 1 | Aluminum Tape |
| Material 2 | Tinned Copper Braid |
| Diameter, in [mm] | 0.49 [12.45] |

Jacket:

| | |
|---------------------------------------|--------------|
| Material | PE |
| Diameter, in [mm] | 0.59 [14.99] |
| Color | Black |
| Repeated Minimum Bend Radius, in [mm] | 6 [152.4] |
| Weight, lbs/ft [Kg/m] | 0.131 [0.19] |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

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 .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket PE-C600](#)

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Low Loss Flexible .600 inch Foam Dielectric Type Coax
Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C600

Plotted and Other Data

Notes:

Values at 25 °C, sea level

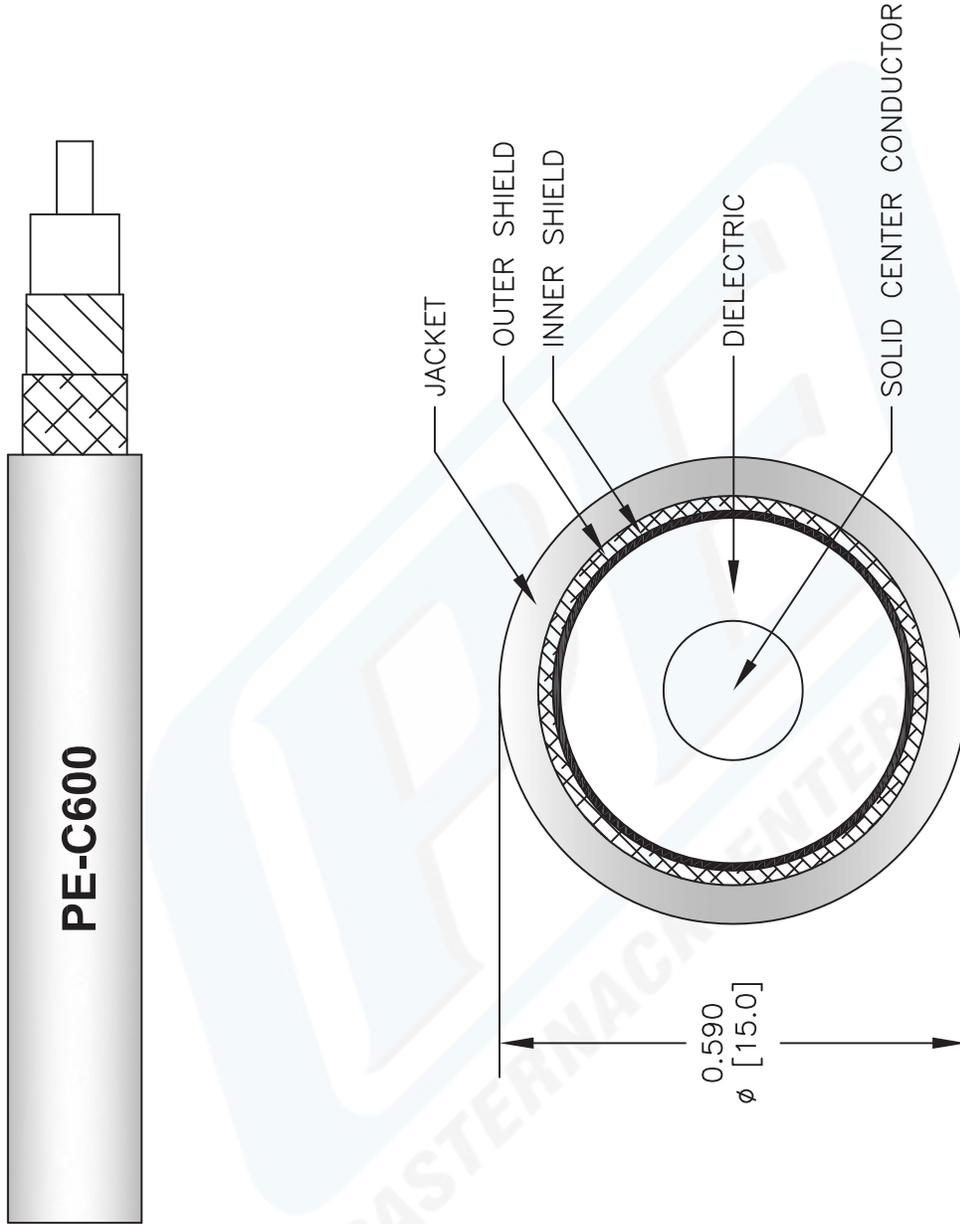
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Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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PE-C600 CAD Drawing

Low Loss Flexible .600 inch Foam Dielectric Type Coax
Cable Double Shielded with Black PE Jacket



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].

DWG TITLE

PE-C600

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 042809



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com