



7/16 DIN Male Right Angle Connector Crimp/ Solder Attachment For PE-C600, 0.600 inch

TECHNICAL DATA SHEET

PE44543

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment For PE-C600, 0.600 inch

Configuration

Connector	7/16 DIN Male
Connector Interface Type	PE-C600, 0.600 inch
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

Electrical Specifications

Frequency Range, GHz	DC to 3
Impedance, Ohms	50
Maximum VSWR	1.15:1
Maximum Insertion Loss, dB	0.05
Dielectric Withstanding Voltage, Vrms	4,000

Mechanical Specifications

Temperature	
Operating Range, deg C	-40 to +85
Size	
Length, in [mm]	1.94 [49.28]
Width/Dia., in [mm]	1.25 [31.75]
Height, in [mm]	1.58 [40.13]
Weight, lbs [g]	0.11 [49.9]

Connector

Type	7/16 DIN Male
Contact Material and Plating	Brass, Silver
Contact Plating Specification	200µ in. minimum
Outer Conductor Material and Plating	Brass, Tri-Metal
Outer Conductor Plating Specification	80µ in. minimum
Coupling Nut Material and Plating	Brass, Tri-Metal
Coupling Nut Plating Specification	80µ in. minimum
Hex Size, in.	1 1/4
Torque, ft-lbs [Nm]	18.417 [24.97]
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	80µ in. minimum
Dielectric Type	PTFE

Compliance Certifications

 (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment For PE-C600, 0.600 inch](#)
PE44543

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7/16 DIN Male Right Angle Connector Crimp/ Solder Attachment For PE-C600, 0.600 inch

TECHNICAL DATA SHEET

PE44543

Plotted and Other Data

Notes:

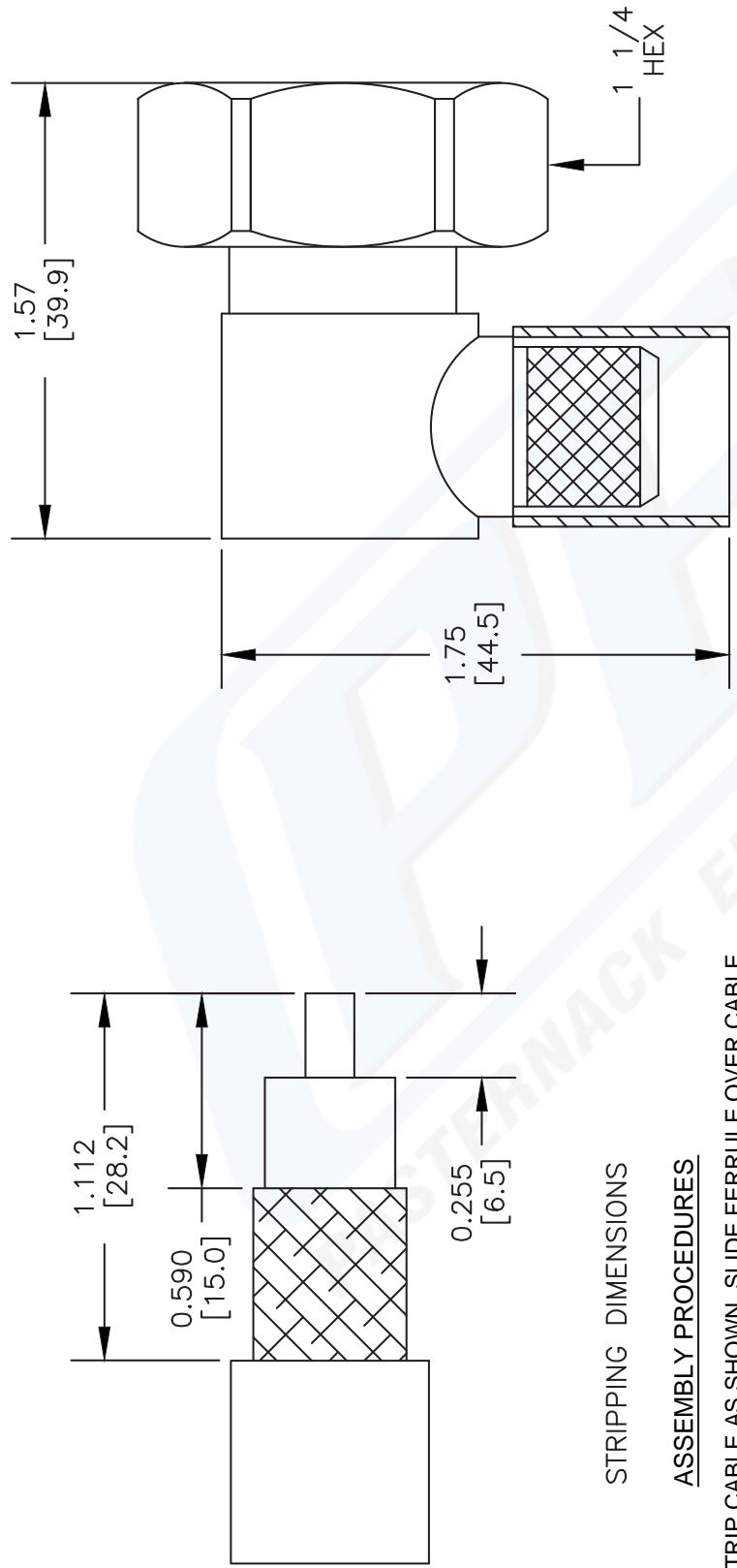
Values at 25 °C, sea level

7/16 DIN Male Right Angle Connector Crimp/Solder Attachment For PE-C600, 0.600 inch 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Right Angle Connector Crimp/Solder Attachment For PE-C600, 0.600 inch PE44543](#)

URL: <http://www.pasternack.com/7-16-male-standard-pe-c600-0.600-connector-pe44543-p.aspx>

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CRIMP SIZE REQUIRED

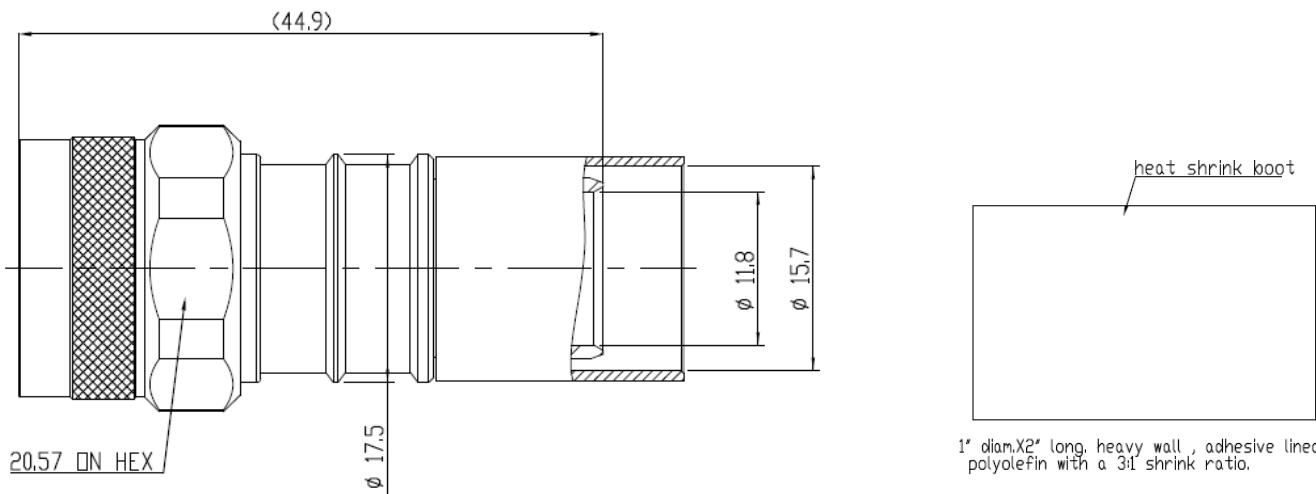
CONTACT: SOLDER
FERRULE: .610" HEX CRIMP TOOL

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	PE44543	SCALE N/A			SIZE A	2233
FSCM NO. 53919	CAD FILE 032813-D					

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D.J.H.	8/9/11	J.D.B.	8/16/11
B	CHANGED PER CDC #36735	n.n.n	4/8/13	J.D.B.	4/10/13
C	CHANGED PER CDC #40601	n.n.n	8/26/14	J.D.B.	9/10/14



Reference standard IEC60169-16

I. Electric Performance

Nominal Impedance(Ω):	50
Frequency Range:	DC-6GHz
VSWR:	≤1.25
Insert Loss:	≤ 0.1 (DC-3GHz)
Insulation resistance (M Ω)	≥5000
Proof voltage (V)	2500
Conductor resistance (m Ω)	outer conductor <0.4 inner conductor <0.8

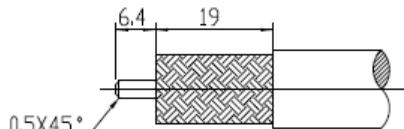
II. Mechanical Performance

Nut torque	5Nm
(Nut)Whorl pull	500N
Tensile force(cable-connect)	500N
Torsion(cable-connect)	3Nm

IV. Environment

Temperature	-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.

III. Material and plating:

Component	Material	Plating
Inner conductor	Beryllium Bronze	Au50 micro inches over nickel 100 over copper
Outer conductor	Brass	Copper-tin-zinc 100-150 micro inches
Tube:	copper	Copper-tin-zinc 100-150 micro inches
Nut:	Brass	Copper-tin-zinc 100-150 micro inches
Gasket:	Silicone rubber	
Insulator:	PTFE	

MATERIAL	UNLESS OTHERWISE SPECIFIED		DFTM: D. J. H.	DATE: 8/9/11	CHKD: J. D. B.	APPD: J. D. B.	TIMES MICROWAVE SYSTEMS	
	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS N/A MAX. BREAK MACHINE CORNERS N/A MAX. FILLET R. TOLERANCES ON DECIMALS XX ± N/A XXX ± N/A ANGLES ± 1° FRACTIONS ± N/A						EZ-600-NMH-X	
USED ON: 1-1							"N" MALE FOR LMR-600 CABLE	
SCALE: N/A	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT: 68999	DATE: 8/16/11			EZ/CRIMP/NO BRAID TRIM	REV: C

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](#)

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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
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PE-C600

Plotted and Other Data

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Values at 25 °C, sea level

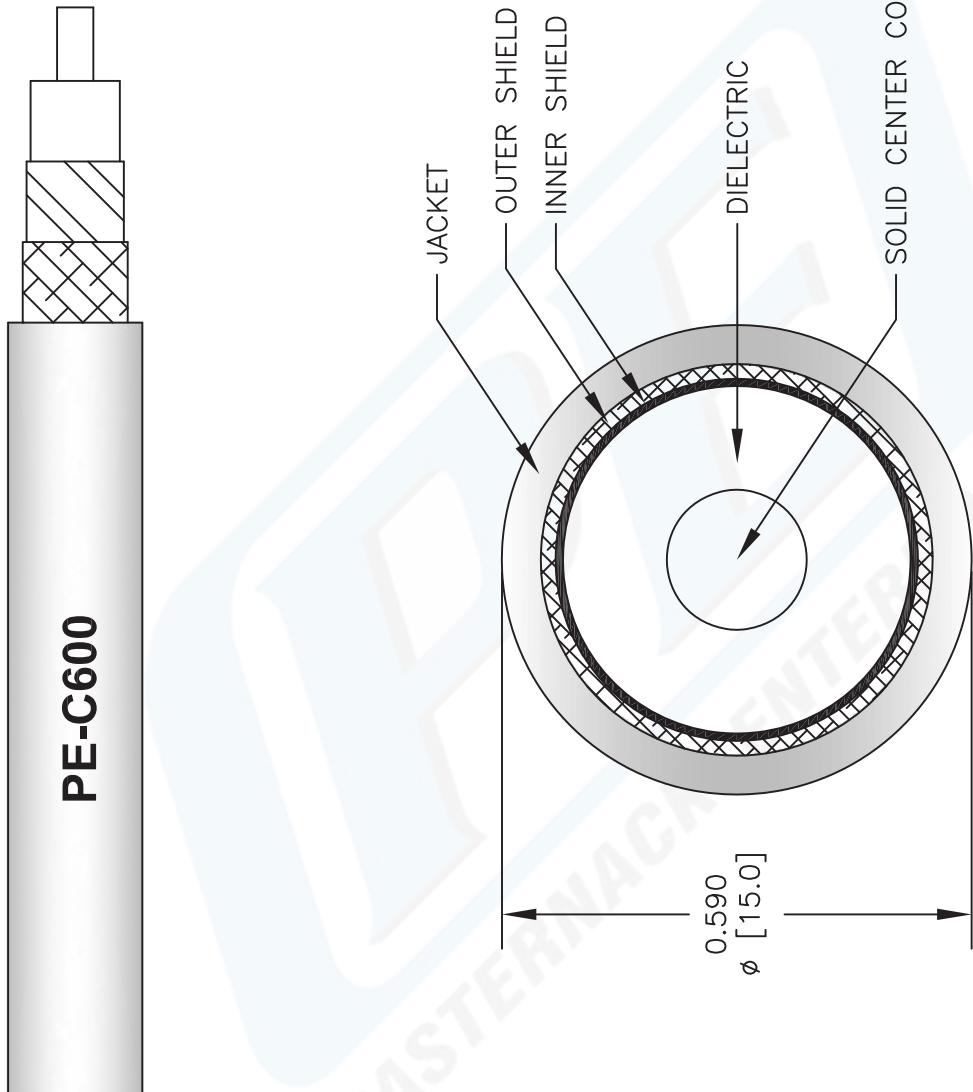
URL: <http://www.pasternack.com/flexible-0.590-50-ohm-coax-cable-pe-jacket-pe-c600-p.aspx>

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PE-C600 CAD Drawing

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



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PASTERNACK®	DWG TITLE	PE-C600	
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
FSCM NO.	CAD FILE	042809	SCALE N/A
			SIZE A 2233