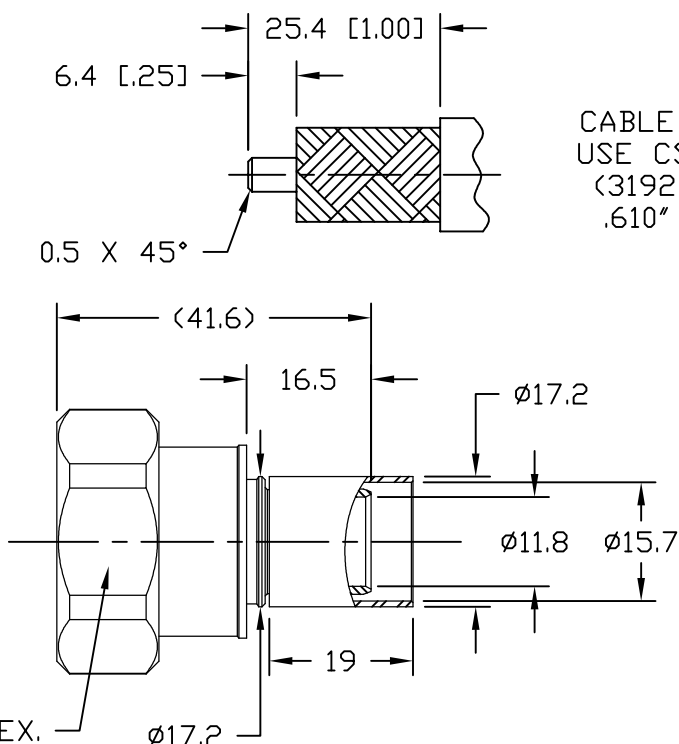


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	K.A.M.	5/23/11	J.D.B.	6/9/11
B	CHANGED PER CDC #37302	D.J.H.	3/22/13	J.D.B.	3/25/13



CABLE PREP.
USE CST-600
(3192-052)
.610" HEX.

Reference Standard IEC60169-4

I. Electric Performance

Nominal Impedance(Ω):	50
Frequency Range:	DC-3GHz
VSWR:	≤ 1.15
Insert Loss(dB):	≤ 0.05
Insulation resistance(M Ω)	≥ 10000
Proof Voltage(V)	2500
Conductor resistance(m Ω)	outer conductor <0.2 inner conductor <0.8

II. Mechanical Performance

Nut Torque	25N.m
(Nut)Whorl pull	1000N
Tensile force(cable-connect)	500N
Torsion(cable-connect)	5N.m

III. Material and plating

Component	Material	Plating
Inner conductor	Spring Copper	Ag 5 μ m
Outer conductor	Brass	Copper-tin-zinc 2 μ m
Tube	Copper	Copper-tin-zinc 2 μ m
Nut	Brass	Nickel 5 μ m
Gasket	Silicone Rubber	
Insulator	PTFE	

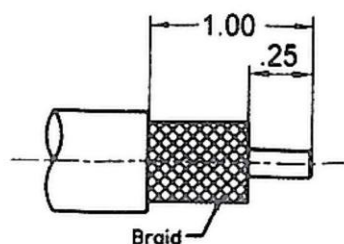
IV. Environment

Temp. range	-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	IP68
ROHS Compliant	

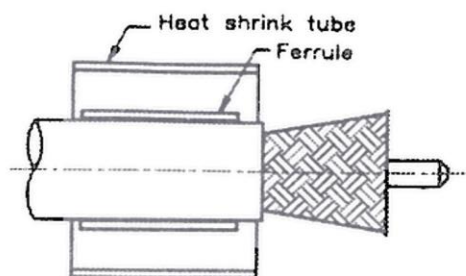
V. Assembly: inner conductor installed and outer conductor crimped

MATL:		UNLESS OTHERWISE SPECIFIED		DFTM. K. A. M.		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		DATE 5/23/11			
CHKD. J. D. B.							
DATE 6/9/11							
APPD. J. D. B.							
USED ON: 0-0						EZ-600-716M-X 7-16 MALE FOR LMR-600 CABLE EZ/CRIMP/NO BRAID TRIM	
SCALE: N/A	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 6/9/11	SHEET 1 of 1	SD3190-2643	REV B

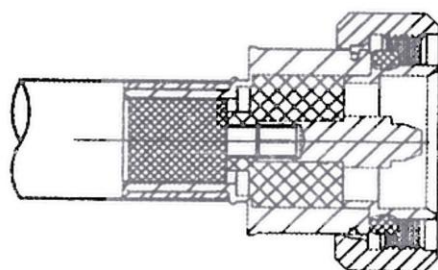
Installation Instruction



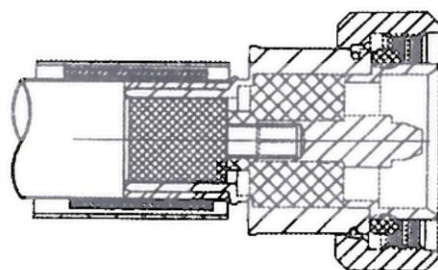
1. A. Trim cable to dimensions shown. Be careful to avoid nicking the braid
- B. Remove any residual plastic from center conductor
- C. Deburr center conductor using a fine file or Times DBT-U tools
- D. Avoid nicking aluminum tape or center conductor



2. A. Slide crimp ferrule and heat shrink tube over the cable
- B. Flare the braid



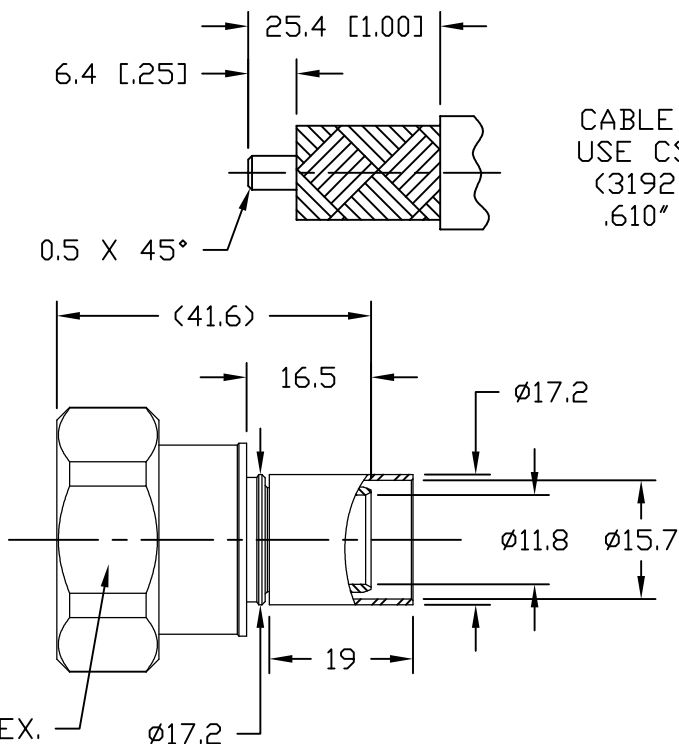
3. A. Insert Cable into connector body until dielectric is seated and center conductor is inserted fully into connector center pin.



4. A. Slide crimp ferrule over braid and crimp as close to body as possible using .429" HEX crimp tooling. Pay attention to the crimp area, do not crimp rear of crimp sleeve
- B. Heat shrink tube over rear of connector body and down on to cable jacket using hot air gun

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B	CHANGED PER CDC #37302	D.J.H.	3/22/13	J.D.B.	3/25/13



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Nut	Brass	Nickel 5 μ m
Gasket	Silicone Rubber	
Insulator	PTFE	

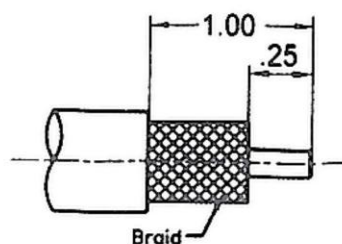
IV. Environment

Temp. range	-55°C~+155°C
Weather standard	IEC 60068 55 / 155/ 56
Thermal shock	US MIL-STD 202,Meth.107,Cond.B
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ROHS Compliant	

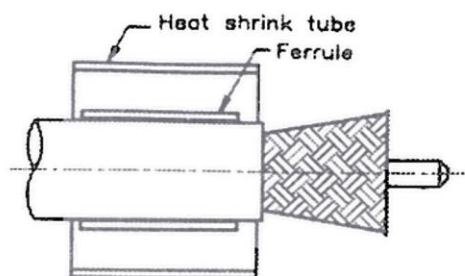
V. Assembly: inner conductor installed and outer conductor crimped

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. K. A. M.	TIMES MICROWAVE SYSTEMS		
		DATE 5/23/11			
USED ON: O-O	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 \pm N/A .XXX \pm N/A ANGLES $\pm 1^\circ$ FRACTIONS \pm N/A	CHKD. J. D. B.	EZ-600-716M-X 7-16 MALE FOR LMR-600 CABLE EZ/CRIMP/NO BRAID TRIM		
		DATE 6/9/11			
		APPD. J. D. B.			
SCALE: N/A	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 6/9/11	SH 1 of 1 SD3190-2643 REV B

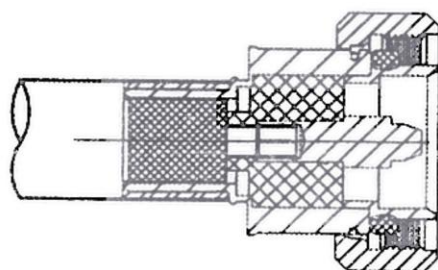
Installation Instruction



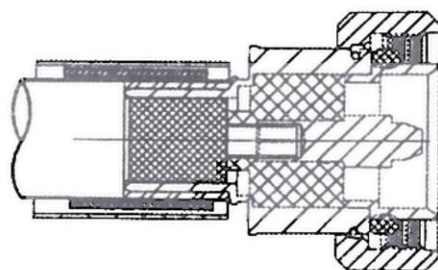
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Low Loss Flexible .600 inch Foam Dielectric Type Coax
Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET

PE-C600

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
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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

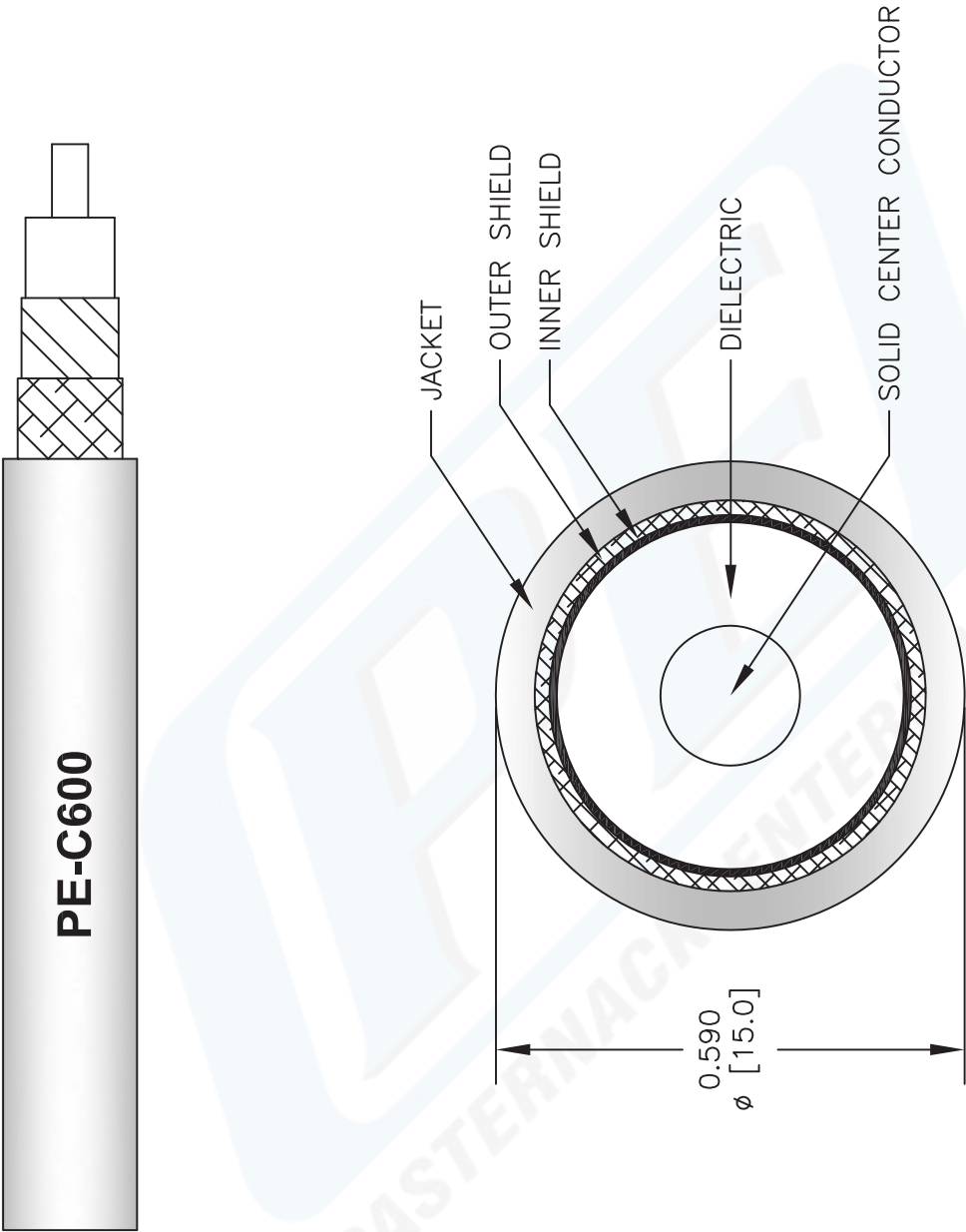
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Low Loss Flexible .600 inch Foam Dielectric Type Coax Cable Double Shielded with Black PE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability 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	CAD FILE	042809	
		SCALE	N/A	SIZE	A
					2233



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Website: www.pasternack.com | **E-Mail:** sales@pasternack.com