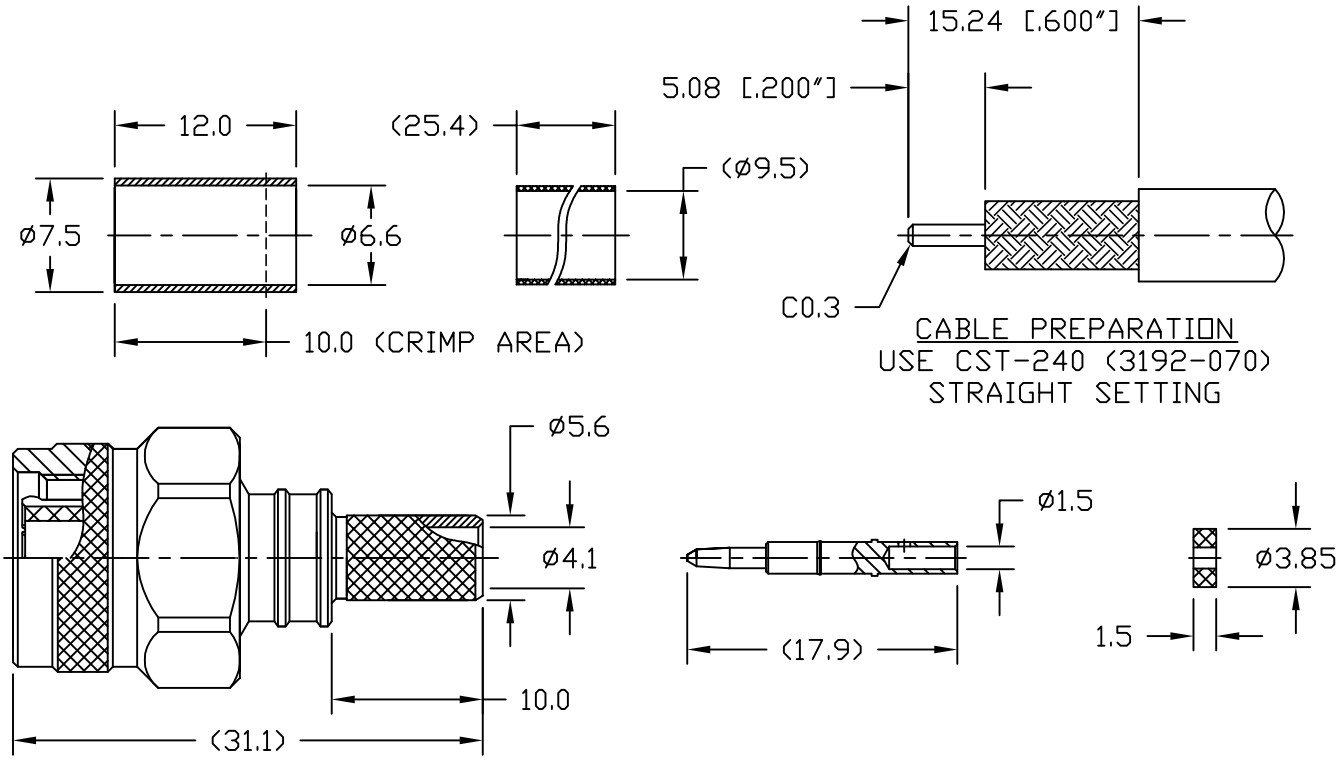
SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	9/12/12	J. D. B.	9/21/12



NOTES:
1. CONTACT PIN IS SOLDERED.
2. CRIMP THE FERRULE TO .255" HEX.

ALL PARTS SATISFIED ROHS REQUIREMENTS

MATERIALS AND PLATING		UNIT: MICRO-INCHES
BODY	BRASS C3604	ALBALOY 80u"/COPPER
CONTACT PIN	BRASS C3604	GOLD 50u"/COPPER
INSULATOR	TEFLON MIL-P-19468	NATURAL
FERRULE	BRASS	ALBALOY 80u"/COPPER

MECHANICAL CHARACTERISTICS	
Force to engage and disengage	N/A
Center contact retention force	6 lbs
Coupling recommend torque	4-6 in-lbs
Coupling nut retention force	100 lbs
Durability	≥ 500 cycles

ELECTRICAL CHARACTERISTICS	
Impedance	50 Ω
Voltage rating	500V(rms)
Frequency range	0~6GHz
Dielectric withstanding voltage	1000V
Contact resistance	Center contact≤2.0mΩ
	Outer contact≤0.2mΩ
Insulation resistance	≥5000MΩ
Insertion loss	According to the cable
RF- leakage	N/A
VSWR	1.3MAX@0-6GHz

ENVIRONMENTAL CHARACTERISTICS	
Temperature range	-65°C- +165°C
Vibration	MIL-STD-202, Method 204, Cond. B
Shock	MIL-STD-202, Method 213, Cond. I
Corrosion	MIL-STD-202, Method 101, Cond. B

MATL:

USED ON: 0-2

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN mm
MACHINED SURFACES FINISH 1.6 RMS MAX.
REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° MAX. FILLET R.
TOLERANCES ON DECIMALS
.X ± 0.3 .XX ± 0.2
ANGLES ± 1/2° FRACTIONS ± N/A

DFTM. D. J. H.
DATE 9/12/12
CHKD. J. D. B.
DATE 9/21/12
APPD. J. D. B.
DATE 9/21/12

TIMES MICROWAVE SYSTEMS

TC-240-TM-X

"TNC" MALE FOR LMR-240 CABLE SOLDER/CRIMP/NO BRAID TRIM

SCALE: N/A | DWG. SIZE A | DO NOT SCALE DRAWING | CODE IDENT 68999 | SHT. 1 of 1 | SD3190-2797 | REV. A

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
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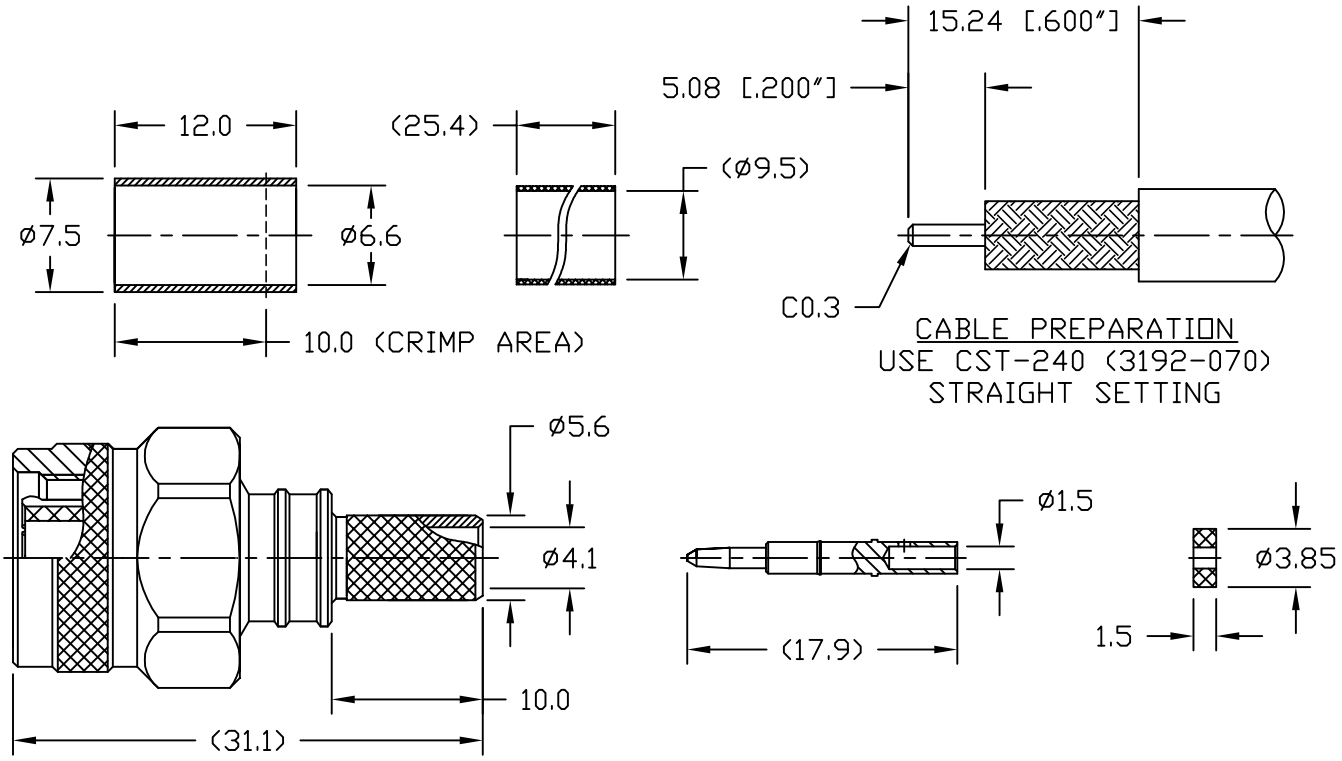

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DFTM. D. J. H.
DATE 9/12/12
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TIMES MICROWAVE SYSTEMS

TC-240-TM-X

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SCALE: N/A | DWG. SIZE A | DO NOT SCALE DRAWING | CODE IDENT 68999 | SHT. 1 of 1 | SD3190-2797 | REV. A

PASTERNACK®
www.pasternack.com

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET PE-C240

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

Configuration

Cable Design	Low Loss
Inner Conductor Material and Plating	Copper
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, %	84
Maximum Operating Frequency, GHz	5.8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	24.2 [79.4]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	150
Attenuation, dB/100ft [dB/100m]	3.4 [11.15]
Power Handling, Watts	660

Frequency 2

Frequency, MHz	450
Attenuation, dB/100ft [dB/100m]	5.95 [19.52]
Power Handling, Watts	380

Frequency 3

Frequency, MHz	900
Attenuation, dB/100ft [dB/100m]	8.58 [28.15]
Power Handling, Watts	260

Frequency 4

Frequency, GHz	1.5
Attenuation, dB/100ft [dB/100m]	11.18 [36.68]
Power Handling, Watts	200

Frequency 5

Frequency, GHz	2
Attenuation, dB/100ft [dB/100m]	13 [42.65]
Power Handling, Watts	170

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 RG8X Type Coax Cable Double Shielded with Black PE Jacket PE-C240

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET PE-C240

Frequency 6

Frequency, GHz	2.5
Attenuation, dB/100ft [dB/100m]	14.55 [47.74]
Power Handling, Watts	150

Frequency 7

Frequency, GHz	5.8
Attenuation, dB/100ft [dB/100m]	23 [75.46]
Power Handling, Watts	100

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
Diameter, in [mm]	0.057 [1.45]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.15 [3.81]

Shield:

Number of	2
Material 1	Aluminum Tape
Material 2	Tinned Copper Braid
Diameter, in [mm]	0.178 [4.52]

Jacket:

Material	PE
Diameter, in [mm]	0.24 [6.1]
Color	Black
One Time Minimum Bend Radius, in [mm]	0.752 [19.1]
Repeated Minimum Bend Radius, in [mm]	2.5 [63.5]
Weight, lbs/ft [Kg/m]	0.033 [0.05]

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

RoHS Compliant	Yes

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Low Loss Flexible RG8X Type Coax Cable Double Shielded with Black PE Jacket

TECHNICAL DATA SHEET PE-C240

Plotted and Other Data

Notes: Values at 25 °C, sea level

Low Loss Flexible RG8X 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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URL: http://www.pasternack.com/flexible-0.240-50-ohm-coax-cable-pe-jacket-pe-c240-p.aspx

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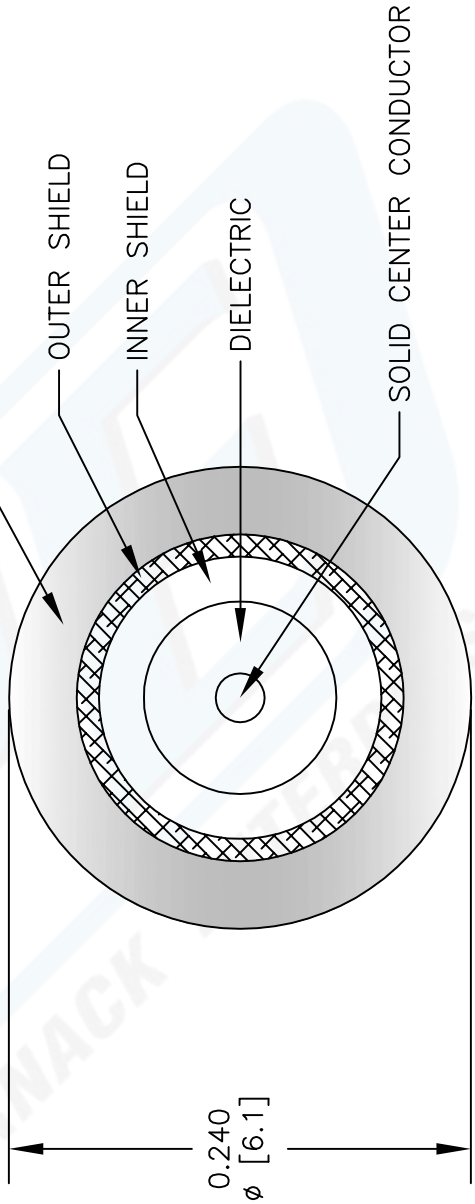
PE-C240 CAD Drawing

Low Loss Flexible RG8X 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].

CAD FILE	050709	SCALE N/A	SIZE A	147

DWG TITLE **PE-C240**

REV. B | **FSCM NO. 53919**

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