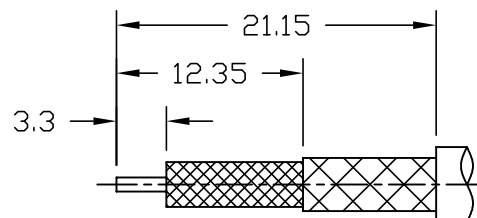
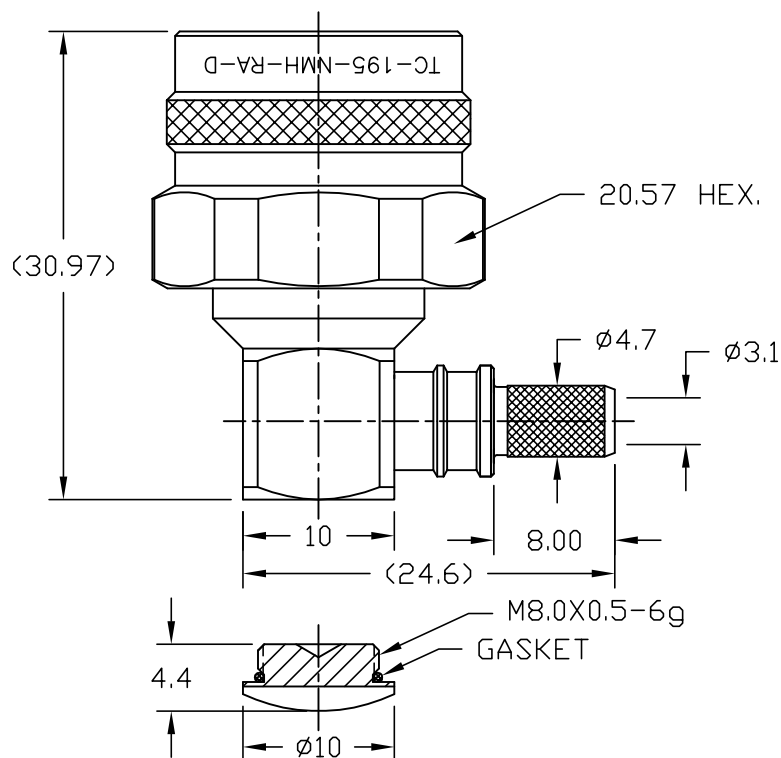
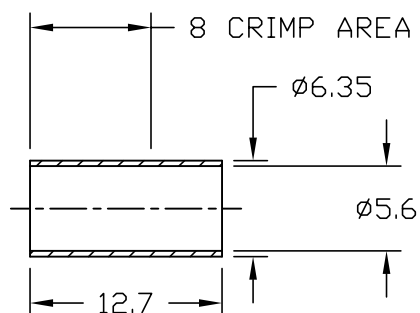


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	1/13/09	J. D. B.	1/13/09
B	CHANGED PER CDC #40023	D. J. H.	6/2/14	J. D. B.	6/4/14



RECOMMENDED CABLE STRIPPING DIM'S.



NOTES:

- CONTACT PIN IS SOLDERED.
- FERRULE IS CRIMPED TO .217" HEX.

ALL PARTS SATISFIED ROHS REQUIREMENTS

ELECTRICAL CHARACTERISTICS

Impedance	50 Ω
Voltage rating	750 V(rms)
Frequency range	0~6 GHz
Dielectric withstanding voltage	1000V
Contact resistance	Center contact ≤ 3 m Ω Outer contact ≤ 2 m Ω
Insulation resistance	≥ 5000 M Ω
Insertion loss	According as the cable
VSWR	≤ 1.2 (DC-2GHz) ≤ 1.3 (DC-6GHz)

MATERIALS AND PLATING		UNIT: MICRO-INCHES
BODY, SHELL	BRASS C3604	ALBALOY 80 μ "/COPPER
CONTACT PIN	BRASS C3604	GOLD 50 μ "/COPPER
INSULATOR	TEFLON MIL-P-19468	NATURAL
FERRULE	BRASS	ALBALOY 80 μ "/COPPER
GASKET	SILICONE	RED

MECHANICAL CHARACTERISTICS

Force to engage and disengage	6 lbs MAX.
Center contact retention force	6 lbs MIN.
Recommended Coupling torque	6-10 in-lbs.
Coupling nut retention force	100 lbs MIN.
Durability	≥ 500 cycles

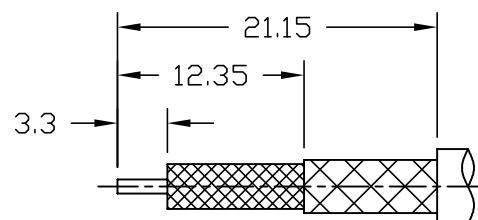
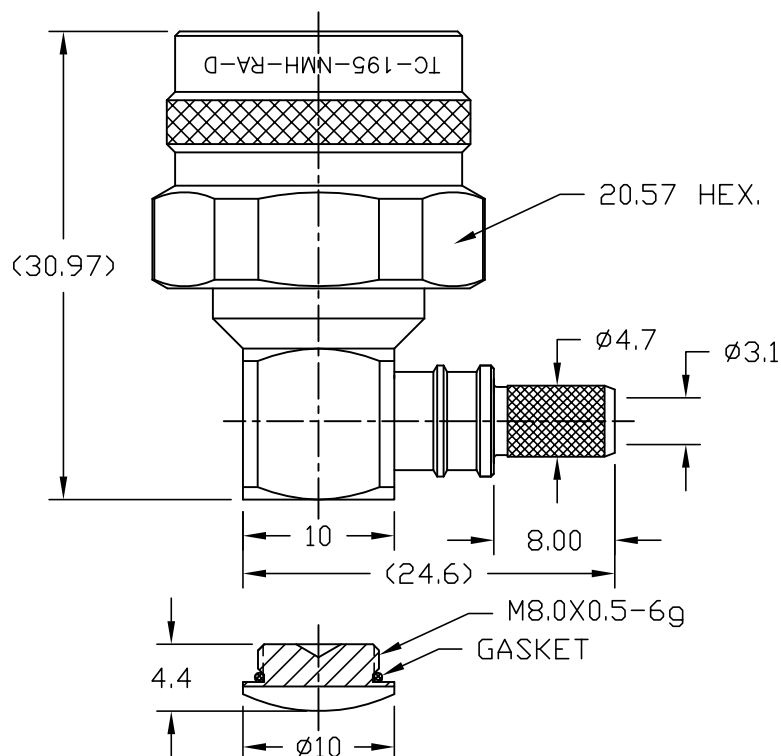
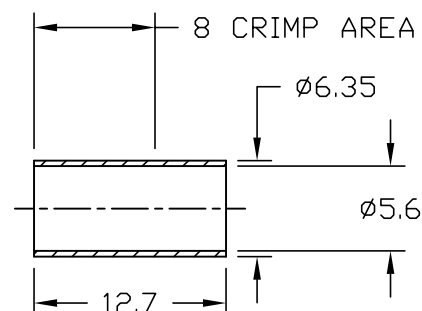
ENVIRONMENTAL CHARACTERISTICS

Temperature 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
Climatic class	IEC 60068 65/165/21

MATL:	UNLESS OTHERWISE SPECIFIED		DFTM. D. J. H.	TIMES MICROWAVE SYSTEMS	
	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 $\pm 3^\circ$ FRACTIONS \pm N/A		DATE 1/13/09		
USED ON: B			CHKD. J. D. B.	TC-195-NMH-RA-D 90° "N" MALE FOR LMR-195 CABLE	
			DATE 1/13/09		
SCALE: N/A			APPD. J. D. B.	1 of 1 SD3190-2425	
			DATE 1/13/09		
DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 1/13/09	SH T	R E B

NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	<i>D. J. H.</i>	1/13/09	<i>J. D. B.</i>	1/13/09
B	CHANGED PER CDC #40023	<i>D. J. H.</i>	6/2/14	<i>J. D. B.</i>	6/4/14

RECOMMENDED CABLE
STRIPPING DIM'S.

NOTES:

1. CONTACT PIN IS SOLDERED.
2. FERRULE IS CRIMPED TO .217" HEX.

ALL PARTS SATISFIED ROHS REQUIREMENTS

ELECTRICAL CHARACTERISTICS	
Impedance	50 Ω
Voltage rating	750 V(rms)
Frequency range	0~6 GHz
Dielectric withstanding voltage	1000V
Contact resistance	Center contact \leq 3 m Ω
	Outer contact \leq 2 m Ω
Insulation resistance	\geq 5000M Ω
Insertion loss	According as the cable
VSWR	\leq 1.2 (DC-2GHz) \leq 1.3 (DC-6GHz)

MATERIALS AND PLATING		UNIT: MICRO-INCHES
BODY, SHELL	BRASS C3604	ALBALOY 80μ"/COPPER
CONTACT PIN	BRASS C3604	GOLD 50μ"/COPPER
INSULATOR	TEFLON MIL-P-19468	NATURAL
FERRULE	BRASS	ALBALOY 80μ"/COPPER
GASKET	SILICONE	RED

MECHANICAL CHARACTERISTICS	
Force to engage and disengage	6 lbs MAX.
Center contact retention force	6 lbs MIN.
Recommended Coupling torque	6-10 in-lbs.
Coupling nut retention force	100 lbs MIN.
Durability	≥ 500 cycles

ENVIRONMENTAL CHARACTERISTICS	
Temperature 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
Climatic class	IEC 60068 65/165/21

MATERIAL:		UNLESS OTHERWISE SPECIFIED			DFTM. D. J. H.		TIMES MICROWAVE SYSTEMS	
		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 ± 3° FRACTIONS ± N/A			DATE 1/13/09			
USED ON: B					CHKD. J. D. B.		TC-195-NMH-RA-D 90° "N" MALE FOR LMR-195 CABLE	
					DATE 1/13/09			
					APPD. J. D. B.			
SCALE: N/A	DWG. SIZE: A	DO NOT SCALE DRAWING	CODE IDENT	68999	DATE 1/13/09	SHEET 1 of 1	SD3190-2425	REV B



Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

RF Cables Technical Data Sheet

RG141A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50 ±2		Ohms
Velocity of Propagation		70		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	1.2	3.9	13	36	62	dB/100ft
	3.94	12.8	42.65	118.11	203.41	dB/100m

Mechanical Specifications

Diameter	0.19 in [4.83 mm]
Weight	0.033 lbs/ft [0.05 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG141 Coax Cable Single Shielded with Beige PTFE \(FG\) Jacket RG141A/U](#)



Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

RF Cables Technical Data Sheet

RG141A/U

Jacket	PTFE (FG), Beige	0.19 in [4.83 mm]
--------	------------------	-------------------

Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

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

Plotted and Other Data

Notes:

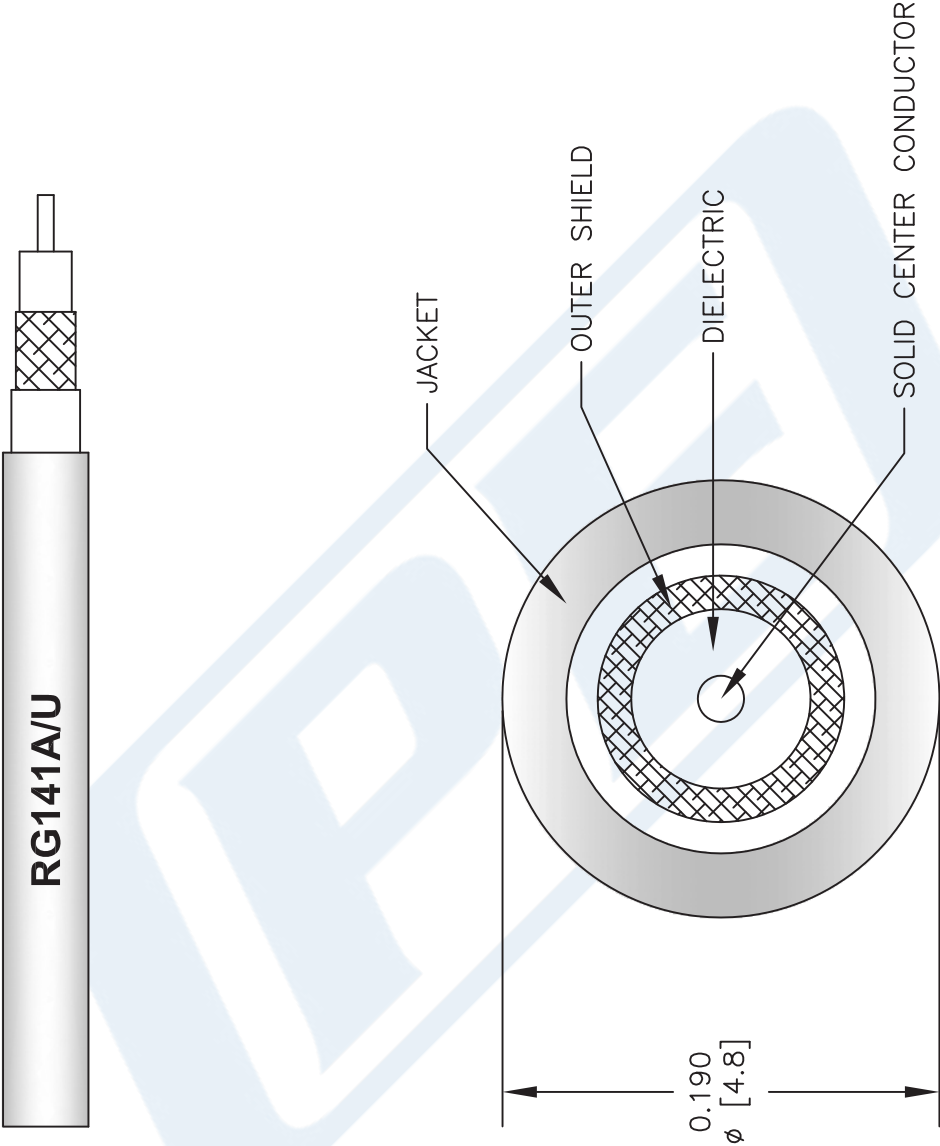
Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG141 Coax Cable Single Shielded with Beige PTFE \(FG\) Jacket RG141A/U](#)

URL: <https://www.pasternack.com/flexible-0.190-rg141-50-ohm-coax-cable-ptfe-fr-jacket-rg141a-u-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

RG141A/U CAD Drawing
Flexible RG141 Coax Cable Single Shielded with Beige
PTFE (Fiberglass reinforced) 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
RG141A/U

REV. A FSCM NO. 53919

147

SIZE A

SCALE N/A

CAD FILE 022808-A

PE PASTERNAK®
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