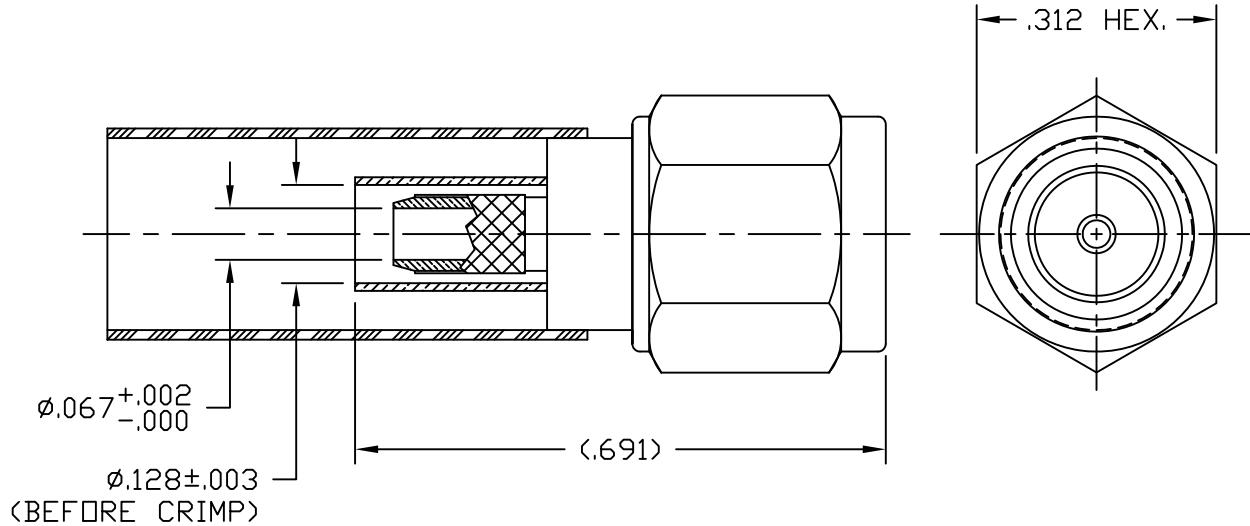


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
-	RELEASED FOR PRODUCTION	J. C. L.	8/20/03	J. C. L.	8/20/03
A	CHANGED PER CDC #36704	J. J. H.	1/14/13	J. D. B.	1/15/13
B	CHANGED PER CDC #37206	J. D. B.	3/226/13	J. D. B.	3/26/13



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
2. MATERIAL: BODY & HEX COUPLING NUT - CORROSION RESISTANT STEEL PER ASTM A582.
CONTACT - BERYLLIUM COPPER PER ASTM B196.
INSULATOR - TEFLON PER ASTM D1710
GASKET - SILICONE RUBBER PER ZZ-R-765
SHRINK SLEEVE - SHRINKABLE POLYOLEFIN PER MIL-I-23053/5
FERRULE - D.H.P. COPPER CDA ALLOY 122
3. FINISHES: BODY & HEX COUPLING NUT - PASSIVATE PER QQ-P-35
CONTACT - GOLD PLATE PER MIL-G-45204
FERRULE - SULFAMATE NICKEL PLATE
4. CONTACT PIN IS SOLDERED.
5. CRIMP THE FERRULE TO .128" HEX.

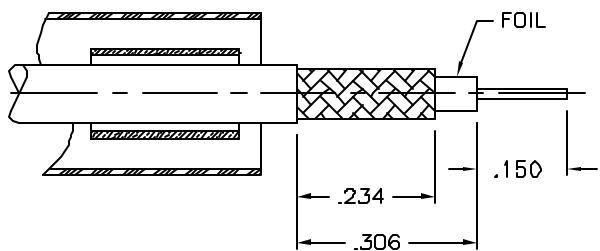
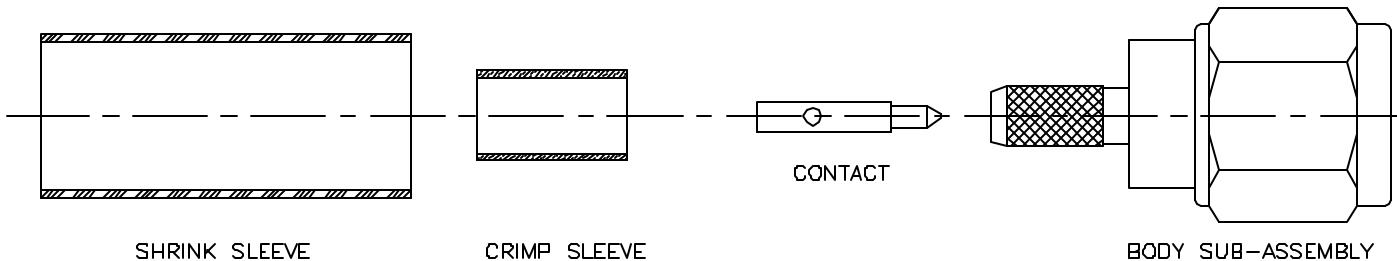
MATERIAL	UNLESS OTHERWISE SPECIFIED		DFTM, J. C. L.	DATE 8/20/03	TIME'S MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/32				
USED ON: A	CHKD, J. C. L.	DATE 8/20/03	TC-100-SM	APPD, J. C. L.	SMA MALE FOR LMR100 CABLE
SCALE: N/A	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 8/20/03	SH 1 of 1 SD3190-1551 REV B



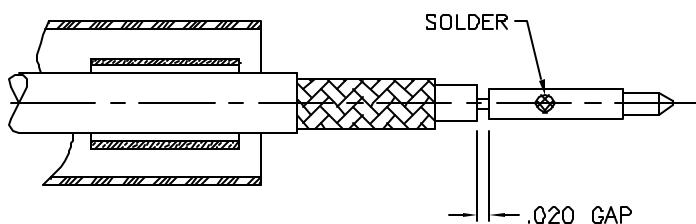
MICROWAVE SYSTEMS

358 Hall Avenue/P.O. Box 5039
Wallingford, CT 06492-5039
Tel: 203-949-8400
FAX: 203-949-8423
1-800-TMS-COAX
www.timesmicrowave.com

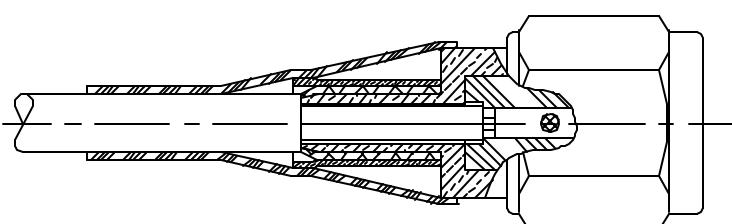
INSTALLATION INSTRUCTIONS
TC-100-SM (TIMES 3190-1551)
(Cable Types: LMR-100)



- 1) A. Trim cable to dimensions shown. Slide shrink sleeve & crimp sleeve back onto cable.
B. Remove any residual plastic from the center conductor and deburr center conductor using a fine file.



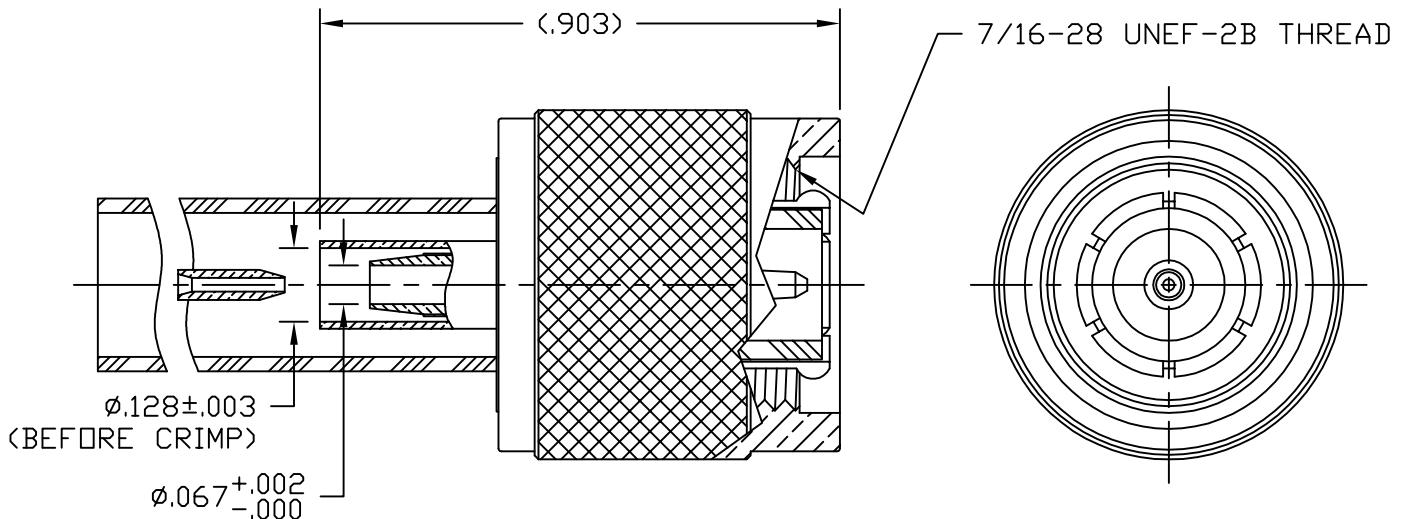
- 2) A. Slide contact onto center conductor leaving a .020 gap as shown and solder to center conductor. Use minimal heat to minimize melting of foam dielectric. Inspect to be sure aluminum foil is not touching center contact.



- 3) A. Insert cable into connector until fully seated, with all braid wires on the outside of connector body and aluminum tape inside connector body.
B. Slide crimp sleeve forward and crimp as close as possible to body using a .128" hex die. Use Times HX-4 crimp tool or equivalent. Do not crimp rear of crimp sleeve.
C. Heat shrink weather seal over rear of connector body and down onto cable jacket using hot air gun.

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
-	RELEASED FOR PRODUCTION	J. C. L.	8/20/03	J. C. L.	8/20/03
A	CHANGED PER CDC #36704	D. J. H.	1/14/13	J. D. B.	1/15/13



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
2. MATERIAL: BODY & NUT - BRASS PER ASTM B16.
CONTACT FINGERS & CONTACTS - BERYLLIUM COPPER PER ASTM B196.
INSULATOR - TEFLON PER ASTM D1710.
CRIMP SLEEVE - D.H.P. COPPER CDA ALLOY 122.
RETAINING RING - PHOSPHOR BRONZE PER QQ-B-750.
GASKET - SILICONE RUBBER PER ZZ-R-765.
SHRINK SLEEVE - SHRINKABLE POLYOLEFIN PER MIL-I-23053/5.
3. FINISHES: RETAINING RING - NOT PLATED.
CONTACTS - GOLD PLATE PER MIL-G-45204.
ALL OTHER METAL PARTS - SILVER PLATE PER QQ-S-365.
4. CONTACT PIN IS SOLDERED.
5. CRIMP THE FERRULE TO .128" HEX.

MATERIAL:	UNLESS OTHERWISE SPECIFIED		DFTM: J. C. L. DATE: 8/20/03	TIME MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/32			
USED ON: _			CHKD: J. C. L. DATE: 8/20/03	TC-100-TM TNC MALE FOR LMR100 CABLE
			APPD: J. C. L. DATE: 8/20/03	
SCALE: N/A	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT: 68999	DATE: 8/20/03 SHEET: 1 of 1 REV: A SD3190-1552

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG188A/U

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid
Jacket Material and Color	PTFE, White

Electrical Specifications

Impedance, Ohms	50
Dielectric Withstanding Voltage, Vrms	2,000

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	20 [65.62]

Mechanical Specifications

Temperature

Inner Conductor

Number of Strands	7
Material	Copper Clad Steel
Plating	Silver

0.02 [0.51]

Dielectric:

Type	PTFE
Diameter, in [mm]	0.06 [1.52]

Shield:

Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

Jacket:

Material	PTFE
Diameter, in [mm]	0.11 [2.79]
Color	White
Weight, lbs/ft [Kg/m]	0.011 [0.02]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

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.

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

TECHNICAL DATA SHEET

RG188A/U

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

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

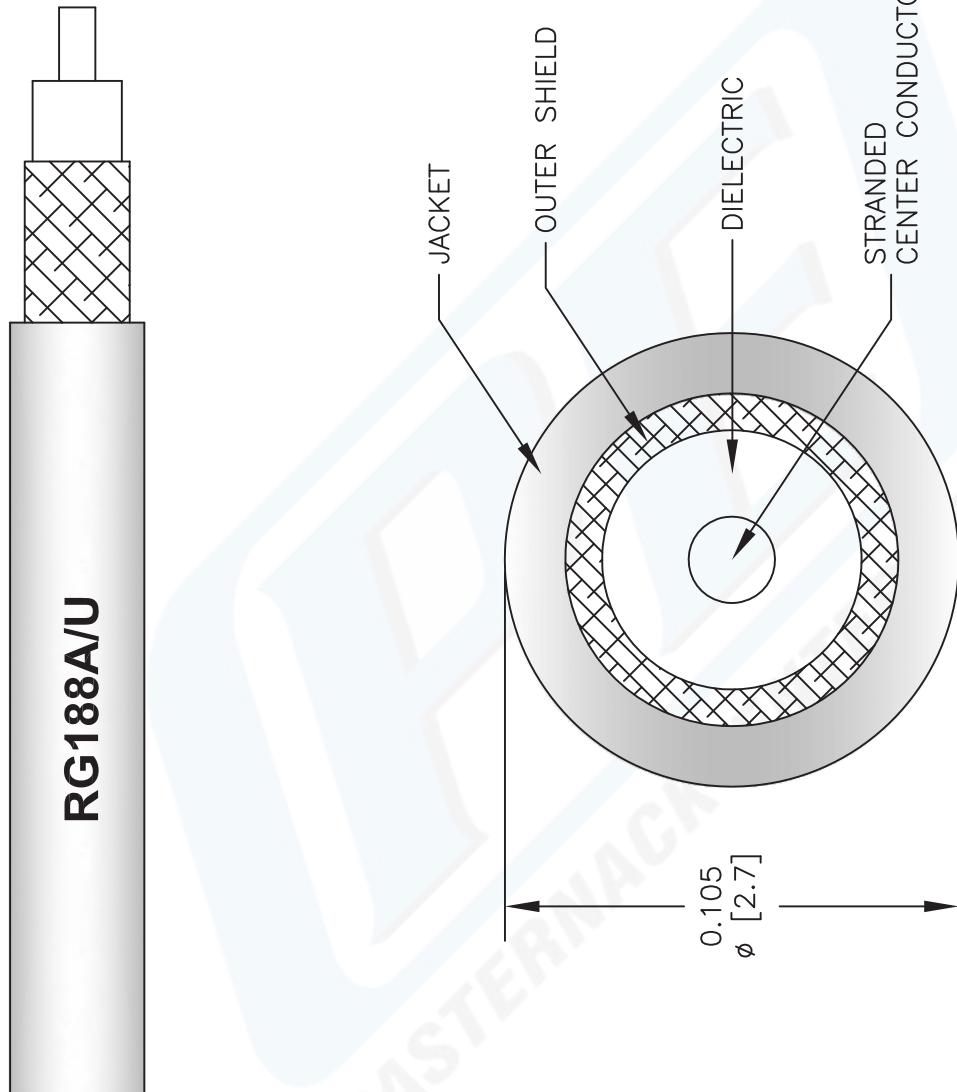
URL: <http://www.pasternack.com/flexible-0.110-rg188-50-ohm-coax-cable-ptfe-jacket-rg188a-u-p.aspx>

Flexible RG188 Coax Cable Single Shielded with White PTFE 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.

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.

RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



RG188A/U

PE PASTERNACK® 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	DWG TITLE RG188A/U	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].
	FSCM NO. 53919 CAD FILE 081512-C SCALE N/A SIZE A	2233