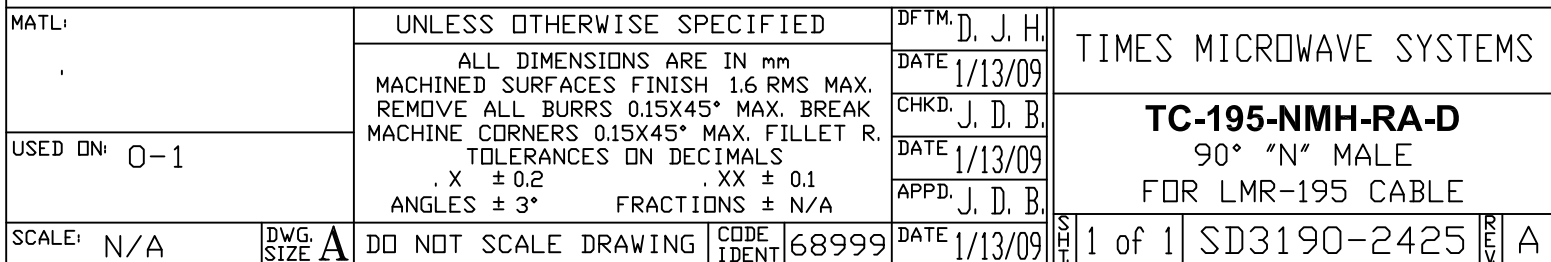
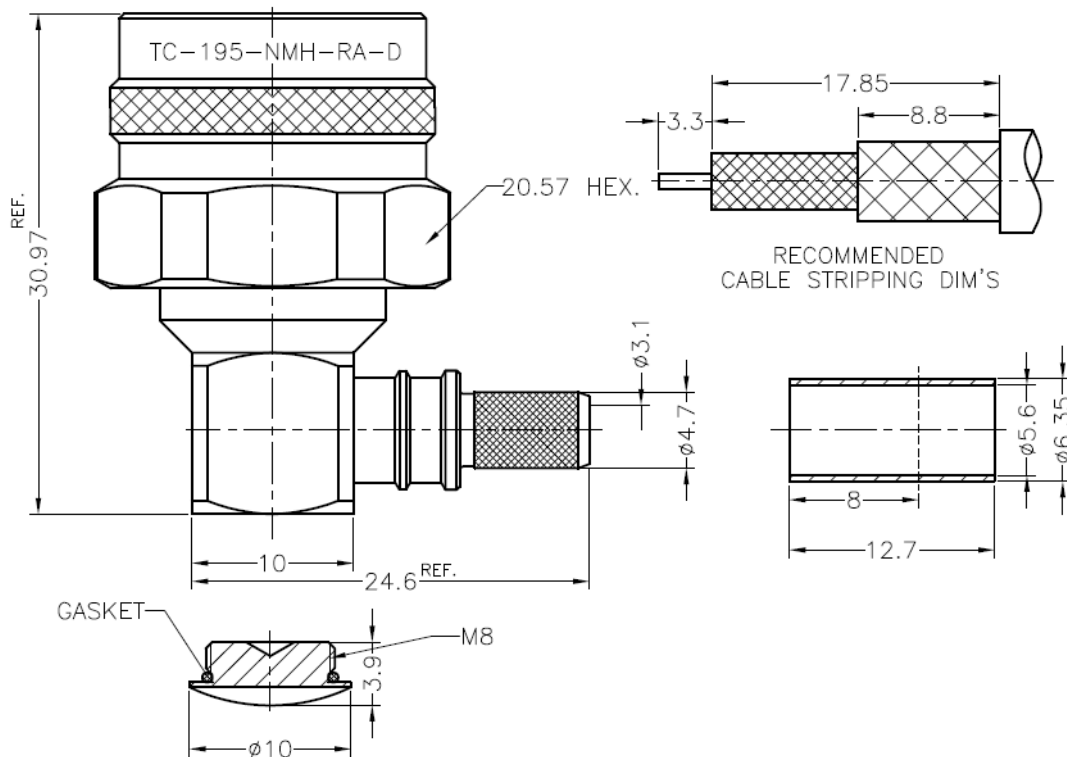


SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	1/13/09	J. D. B.	1/13/09



SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	1/13/09	J. D. B.	1/13/09



ALL PARTS SATISFIED ROHS REQUIREMENTS

NOTE:

1. CRIMP THE FERRULE TO .217" HEX.

材料与电镀(MATERIALS AND PLATING)		UNIT: MICRO-INCHES
壳体,主体 BODY, SHELL	黄铜 (BRASS C3604)	镀三元合金80μ " ALBALOY PLATING THICK 80 MIN.
中心针 CONTACT PIN	黄铜 (BRASS C3604)	铜底, 镀金50μ " GOLD PL. 50/COPPER
绝缘体: INSULATOR	聚四氟乙烯	TEFLON MIL-P-19468
铜管: FERRULE	紫铜	镀三元合金80μ " ALBALOY PLATING THICK 80 MIN.
密封圈: GASKET	硅橡胶	SILICONE RED OR BLACK

机械特性(MECHANICAL CHARACTERISTICS)	
插入力(Force to engage and disengage)	6 lbs MAX.
中心针保持力Center contact retention force	6 lbs MIN.
螺母拉力(Coupling torque)	30 in-lbs MIN.
螺母拉力(Coupling nut retention force)	100 lbs MIN.
机械耐久性(Durability)	≥ 500 cycles

电气性能(ELECTRICAL CHARACTERISTICS)	
特性阻抗 (Impedance)	50 Ω
工作电压(Voltage rating)	750V(rms)
频率范围 (Frequency range)	0~6GHz
介电耐压(Dielectric withstanding voltage)	1000V
接触电阻 (Contact resistance)	内导体(Center contact): ≤3mΩ 外导体(Outer contact)≤2mΩ
绝缘电阻 (Insulation resistance)	≥5000MΩ
插入损耗(Insertion loss)	根据电缆特性 (According as the cable)
射频泄漏(RF- leakage)	N/A
电压驻波比(VSWR)	≤1.2 (DC-2GHz) ≤1.3 (DC-6GHz)
三阶互调 (3rd Intermodulation)	---

环境参数(ENVIRONMENTAL CHARACTERISTICS)	
工作温度(Temperature range)	-55? - +155?
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 ± 0.2 XX ± 0.1 ANGLES ± 3° FRACTIONS ± N/A			DATE 1/13/09				
USED ON: 0-1					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	SHT 1 of 1	SD3190-2425	REV A

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		5	GHz
Impedance		50		Ohms
Velocity of Propagation		65.9		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5		GHz
Attenuation, Typ	1.4	4.9	20	60		dB/100ft
	4.59	16.08	65.62	196.85		dB/100m
Input Power (CW), Max			44			Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.025 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.96 in [49.78 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 19 Strands	0.036 in [0.91 mm]
Conductor Type	Stranded	
Dielectric	PE	0.116 in [2.95 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG58C/U

First Shield	Tinned Copper Braid	0.138 in [3.51 mm]
Jacket	PVC (NC), Black	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) 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.

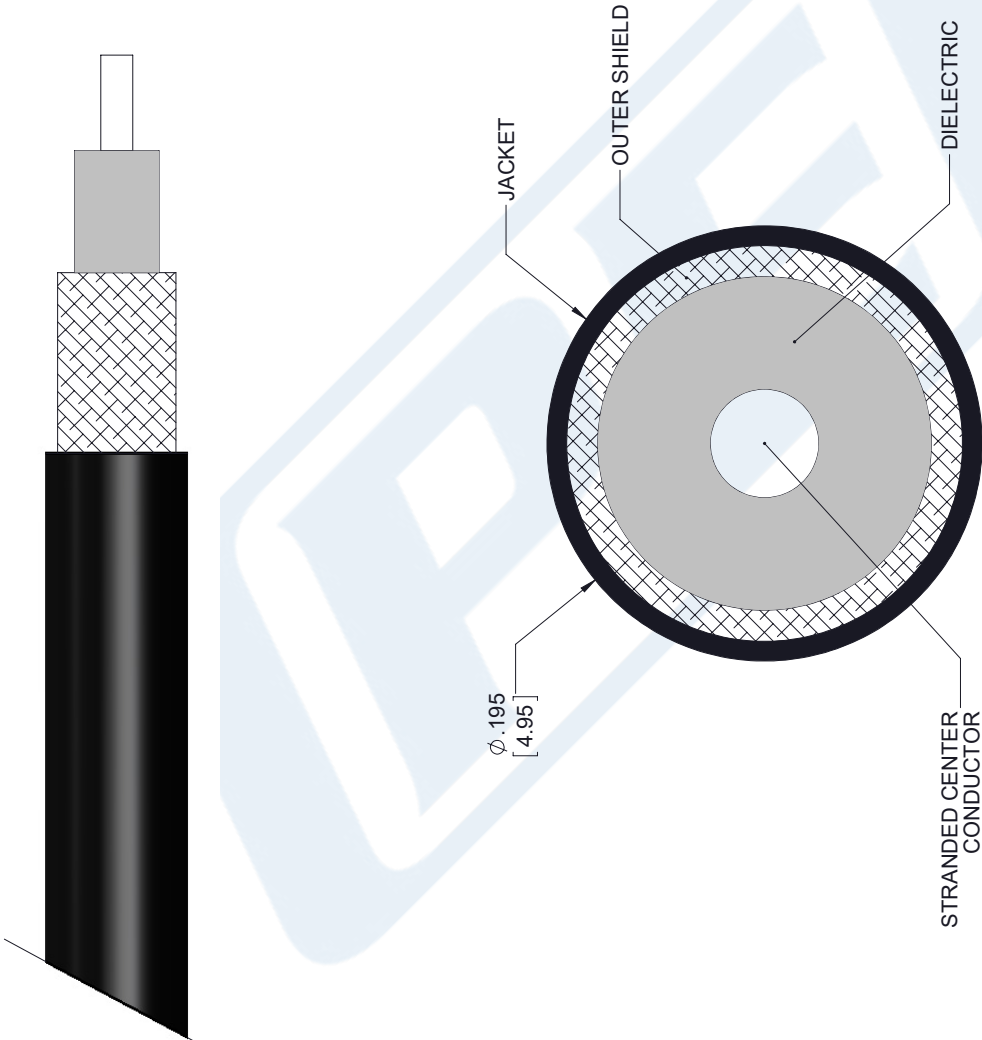
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URL: <https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx>

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.

RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



SECTION VIEW

STANDARD	TOLERANCES
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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

DWG TITLE

RG58C/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].

CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361