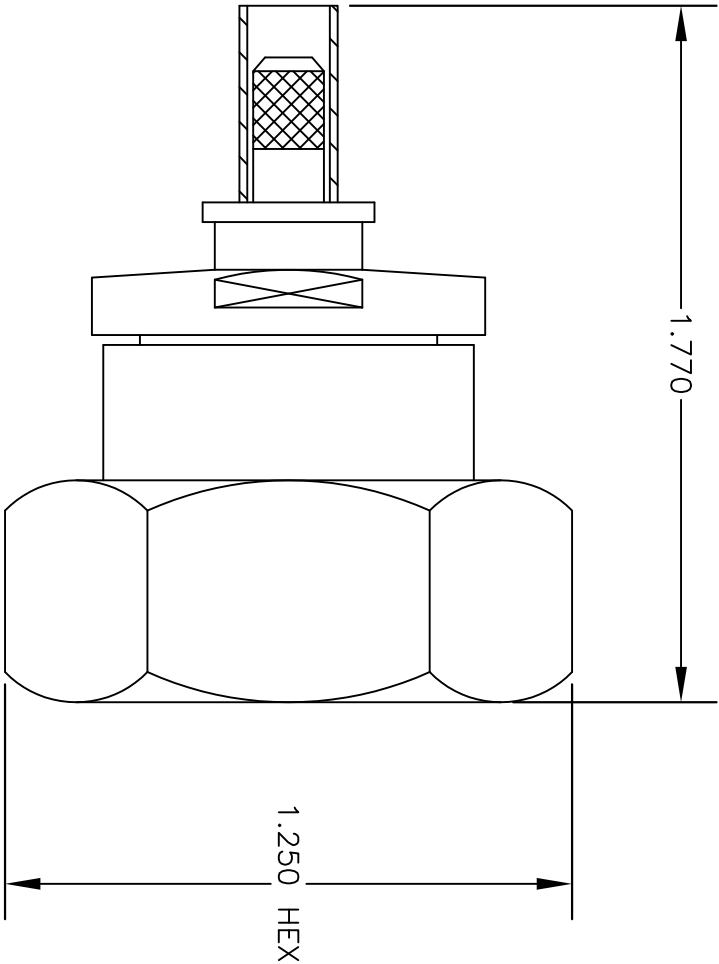
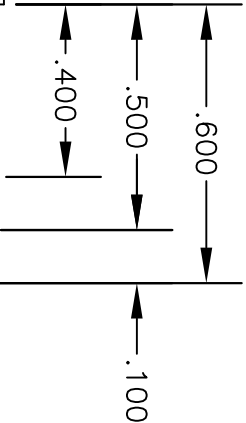


MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	SILVER PLATED
INSULATOR	PTFE



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL



PASTERNAK ENTERPRISES, INC.
P.O. BOX 16759, IRVINE, CA 92623
PHONE (949) 261-1920 FAX (949) 261-7451
WEB ADDRESS: www.pasternack.com
E-MAIL ADDRESS: sales@pasternack.com
COAXIAL & FIBER OPTICS

DWG TITLE
PE4569

DES. 7/16" MALE CRIMP ATTACHMENT FOR RG58

SIZE A	FSCM NO. 53919	CAD FILE	052302	SCALE	N/A	127
--------	----------------	----------	--------	-------	-----	-----

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.



NMO Mount Connector Crimp/Solder
Attachment for RG58, LMR-195

TECHNICAL DATA SHEET

PE51167

Configuration

Connector	NMO Mount
Connector Interface Type	RG58, LMR-195
Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range	DC to 5 GHz
Impedance	50 Ohms
Maximum VSWR	1.05:1
Maximum Insertion Loss	0.25 dB
Dielectric Withstanding Voltage	1,500 Vdc

Mechanical Specifications

Temperature

Operating Range	-40 to +85 deg C
-----------------	------------------

Connector

Type	NMO Mount
Mating Cycles	500
Contact Material and Plating	Brass, Gold over Nickel
Coupling Nut Material and Plating	Brass, Tri-Metal
Coupling Nut Plating Specification	BBR2
Body Material and Plating	Zinc, Tri-Metal
Body Plating Specification	BBR2

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

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [NMO Mount Connector Crimp/Solder Attachment for RG58, LMR-195 PE51167](#)



NMO Mount Connector Crimp/Solder Attachment for RG58, LMR-195

TECHNICAL DATA SHEET

PE51167

Plotted and Other Data

Notes:

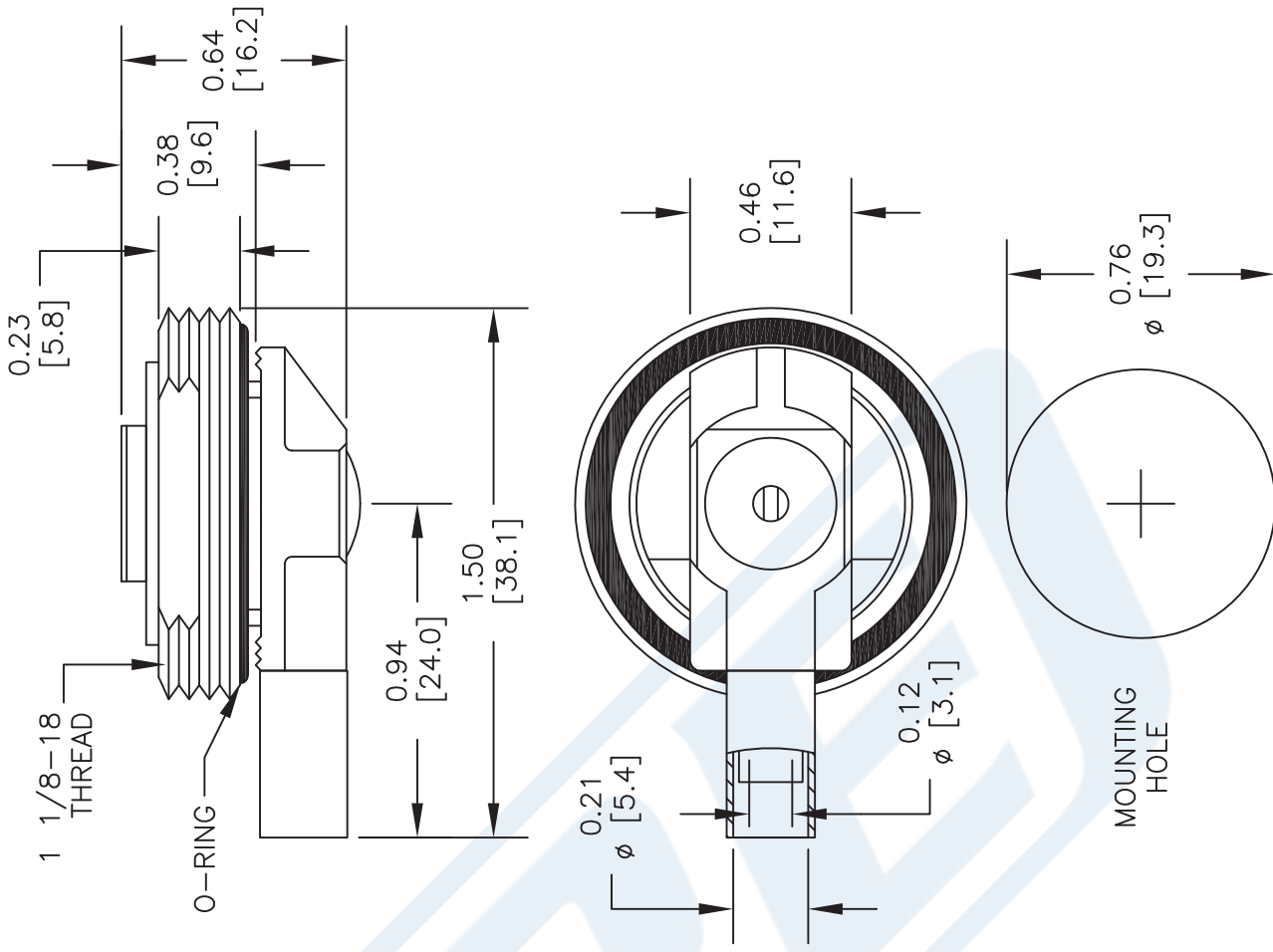
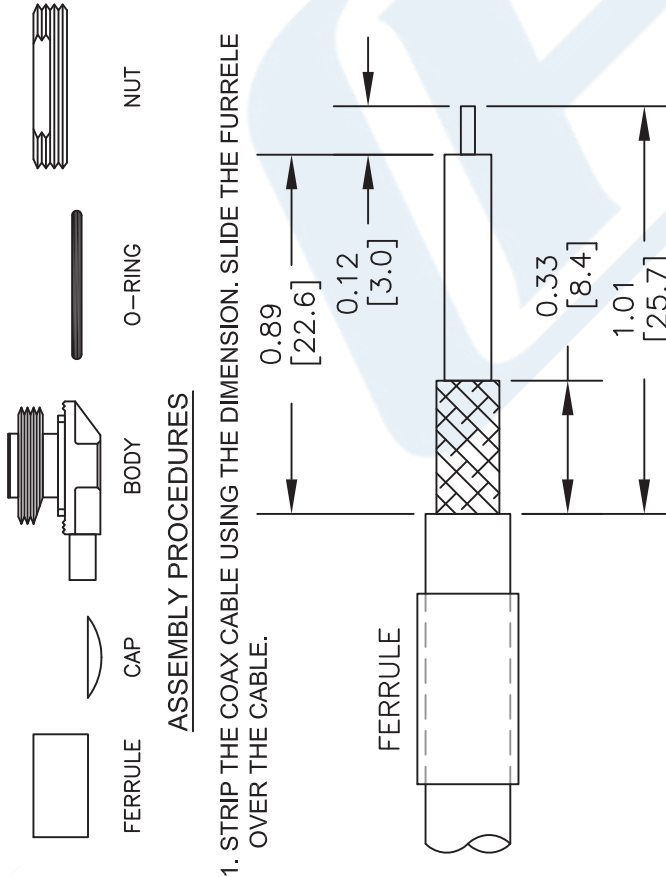
- Values at +25 °C, sea level

NMO Mount Connector Crimp/Solder Attachment for RG58, LMR-195 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: [NMO Mount Connector Crimp/Solder Attachment for RG58, LMR-195 PE51167](#)

URL: <http://www.pasternack.com/nmo-mount-rg58-lmr-195-connector-pe51167-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.



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).
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE51167

PE PASTERNAK
 THE ENGINEER'S RF SOURCE
 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

FSCM NO. 53919

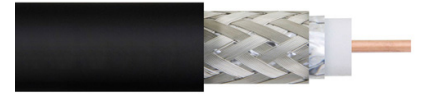
CAD FILE 092215

SCALE N/A

SIZE A

2233

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 80% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

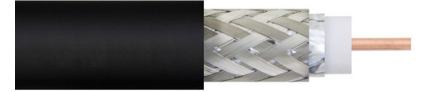
LMR-195 part number from Pasternack is a LMR-195 coax cable that is flexible. Pasternack LMR-195 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-195 coax is constructed with a 0.195 jacket made of PE. LMR-195 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-195 coax cable has an attenuation at 1 GHz of 11.8 dB.

Pasternack LMR-195 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-195 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-195 or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		41		GHz
Impedance		50		Ohms
Velocity of Propagation		80		%
Time Delay		1.27 [4.17]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			7.6	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		25.4 [83.33]		pF/ft [pF/m]
Nominal Inductance		0.064 [0.21]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.5	4.4	5.4	7.8	11.1	dB/100ft
	8.2	14.44	17.72	25.59	36.42	dB/100m
Input Power (CW), Max	680	390	320	220	160	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	8	GHz
Attenuation, Typ	14.5	16	16.9	19	29.9	dB/100ft
	47.57	52.49	55.45	62.34	98.1	dB/100m
Input Power (CW), Max	120	110	100	90	60	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.022 lbs/ft [0.03 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	15 lbs/in [0.27 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.11 in [2.79 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.195 in [4.95 mm]

Environmental Specifications

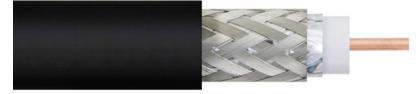
Temperature	
Operating Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-195

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE 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: [Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-195](https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx)

URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr195-pe-jacket-double-shielded-black-lmr-195-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

Low Loss Flexible LMR-195 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

