

N Male Connector Crimp/Solder Attachment for LMR-200, PE-C200



TC-200-NMH-X



Times Microwave Systems Connector Specification

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-200, PE-C200
- 13/16 Inch Hex

Features

- Max. Operating Frequency 6 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's TC-200-NMH-X type N , N, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 6 GHz.

Our type N male connector TC-200-NMH-X datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	1.51 in [38.35 mm]
Width	0.89 in [22.61 mm]
Height	0.89 in [22.61 mm]
Weight	0.083 lbs [37.65 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

N Male Connector Crimp/Solder Attachment for LMR-200, PE-C200



TC-200-NMH-X

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for LMR-200, PE-C200 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.

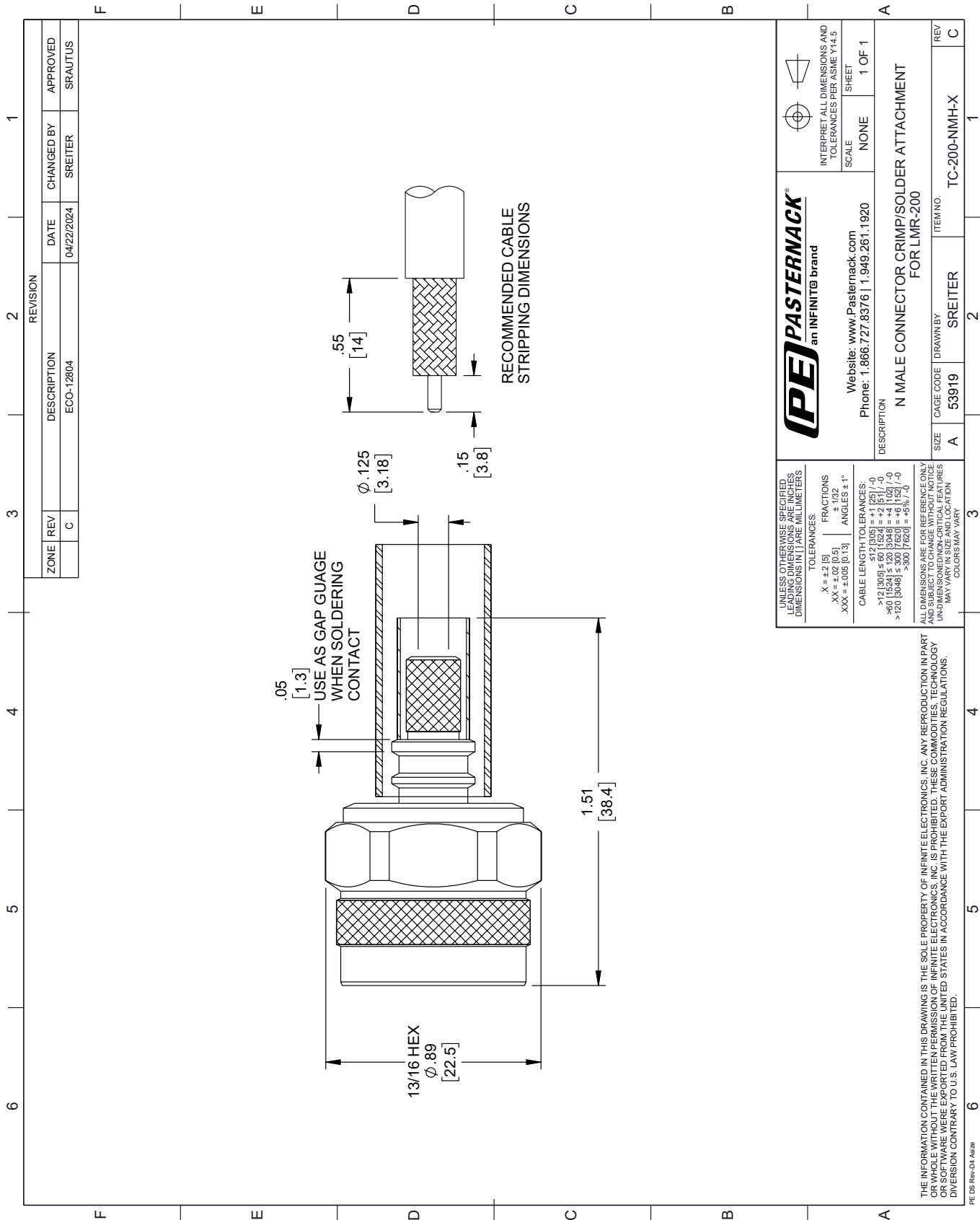
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for LMR-200, PE-C200 TC-200-NMH-X](#)

URL: <https://www.pasternack.com/n-male-lmr-200-pe-c200-connector-tc-200-nmh-x-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.

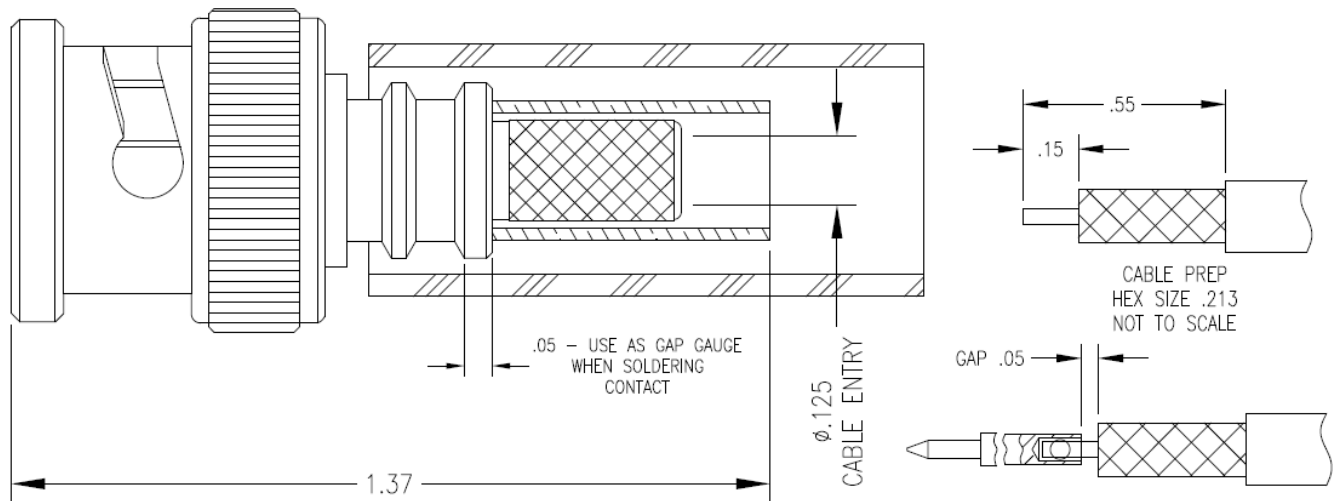
TC-200-NMH-X CAD Drawing

N Male Connector Crimp/Solder Attachment for LMR-200, PE-C200



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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	11/7/13	J.D.B.	11/7/13

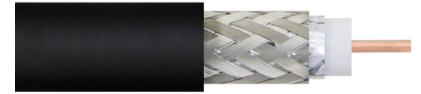


BODY	CONTACT
ALBALOY	GOLD/NI

- | | | |
|--|--|-------------------------------|
| 1.0 PERFORMANCE | 2.0 MATERIALS | 3.0 FINISHES: SEE TABLE |
| 1.1 FREQUENCY RANGE: DC-4 GHz | 2.1 DIELECTRIC: PTFE | 4.0 MECHANICAL |
| 1.2 NOMINAL IMPEDANCE: 50 OHMS | 2.2 CONTACT: BRASS | 4.1 INTERFACE PER MIL-STD-348 |
| 1.3 DWV: 500 VRMS @ 60 Hz (SEA LEVEL) | 2.3 SPRING WASHER: BERYLLIUM COPPER | |
| 1.4 TEMPERATURE RANGE: -65°C TO +165°C | 2.4 CRIMP FERRULE: SOFT COPPER | |
| | 2.5 OTHER METAL PARTS: BRASS | |
| | 2.6 GASKET: SILICONE RUBBER | |
| | 2.7 HEAT SHRINK: POLYOLEFIN THICK WALL | |

MATL:		UNLESS OTHERWISE SPECIFIED		DFTM.	TIMES 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		DATE				N, N, N					
DATE	11/7/13												
USED ON: A	CHKD.			J, D, B.									
	DATE			11/7/13									
		APPD.	J, D, B.		TC-200-BM-X BNCM FOR LMR-200 CABLE								
		DATE	11/7/13										
SCALE:	N/A	DWG. SIZE	A	DO NOT SCALE DRAWING	CODE IDENT	68999	DATE	11/7/13	SHEET	1 of 1	SD3190-2883	REV	A

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200



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 83% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

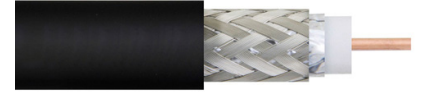
LMR-200 part number from Pasternack is a LMR-200 coax cable that is flexible. Pasternack LMR-200 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-200 coax is constructed with a 0.195 jacket made of PE. LMR-200 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-200 coax cable has an attenuation at 1 GHz of 10.5 dB.

Pasternack LMR-200 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-200 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-200 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		39		GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.22 [4]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			5.36	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		24.5 [80.38]		pF/ft [pF/m]
Nominal Inductance		0.061 [0.2]		uH/ft [uH/m]
Input Power (Peak)			2.5	kWatts

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	2.3	4	4.8	7	9.9	dB/100ft
	7.55	13.12	15.75	22.97	32.48	dB/100m
Input Power (CW), Max	790	450	370	260	180	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	12.9	14.2	15	16.9	26.4	dB/100ft
	42.32	46.59	49.21	55.45	86.61	dB/100m
Input Power (CW), Max	140	130	120	110	70	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.024 lbs/ft [0.04 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	0.044 in [1.12 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.116 in [2.95 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PE, Black	0.195 in [4.95 mm]

Environmental Specifications

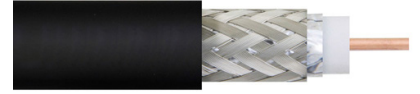
Temperature	
Operating Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200

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Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

