



## TNC Male Connector with POM Insulator Crimp/ Crimp Attachment For PE-C200, LMR-200

### RF Connectors Technical Data Sheet

**PE44804**

#### Configuration

- TNC Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C200, LMR-200 Interface Type
- Crimp/Crimp Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44804 TNC male connector with crimp/crimp attachment for PE-C200 and LMR-200 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 11 GHz.

Our TNC male connector PE44804 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      |         | 11      | GHz   |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 0.981 in [24.92 mm] |
| Width/Dia.  | 0.571 in [14.50 mm] |
| Weight      | 0.03 lbs [13.61 g]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for PE-C200, LMR-200, With POM Insulator PE44804](#)



TNC Male Connector with POM Insulator Crimp/  
Crimp Attachment For PE-C200, LMR-200

RF Connectors Technical Data Sheet

PE44804

**Material Specifications**

| Description  | Material | Plating |
|--------------|----------|---------|
| Contact      | Brass    | Gold    |
| Insulation   | POM      |         |
| Body         | Brass    | Nickel  |
| Coupling Nut | Brass    | Nickel  |

**Environmental Specifications**

**Temperature**

Operating Range

-40 to +85 deg C

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

**Plotted and Other Data**

Notes:

TNC Male Connector with POM Insulator Crimp/Crimp Attachment For PE-C200, LMR-200 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.

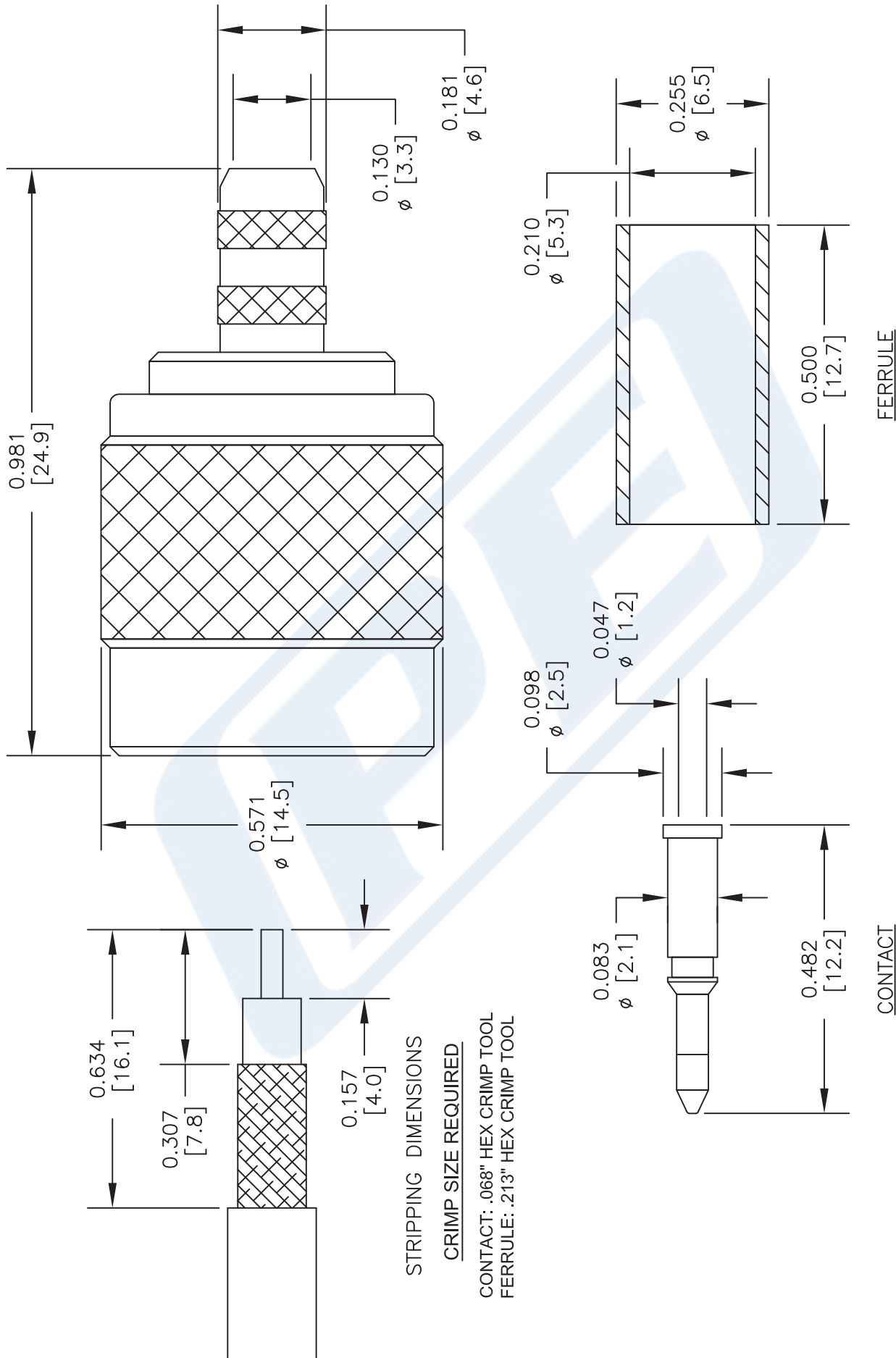
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for PE-C200, LMR-200, With POM Insulator PE44804](#)

URL: <https://www.pasternack.com/tnc-male-standard-pe-c200-lmr-200-connector-pe44804-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.

# PE44804 CAD Drawing

TNC Male Connector with POM Insulator Crimp/Crimp Attachment For PE-C200, LMR-200



DWG TITLE

**PE44804**

- 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.

FSCM NO. 53919

CAD FILE 083116

SCALE N/A

SIZE A

2233

**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

## RP-TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-200, PE-C200



### RF Connectors Technical Data Sheet



EZ-200-TF-RP

#### Times Microwave Systems Connector Specification

##### Configuration

- TNC Female Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-200, PE-C200

##### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact
- Reverse Polarity

##### Applications

- General Purpose Test
- Custom Cable Assemblies

##### Description

Pasternack's EZ-200-TF-RP RP TNC female connector with crimp/non-solder contact attachment for LMR-200 and PE-C200 is part of our full line of RF components available for same-day shipping. The female reverse polarity configuration uses a female connector body with a male inner contact pin. Our TNC female connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1.

Our reverse polarity TNC female connector EZ-200-TF-RP 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      |         | 3       | GHz   |
| VSWR                   |         |         | 1.25:1  |       |
| Insertion Loss         |         |         | 0.17    | dB    |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

##### Mechanical Specifications

###### Size

Length

1.26 in [32 mm]

Width/Dia.

0.57 in [14.48 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-200, PE-C200 EZ-200-TF-RP](#)



## RP-TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-200, PE-C200

### RF Connectors Technical Data Sheet



EZ-200-TF-RP

#### Material Specifications

| Description     | Material         | Plating   |
|-----------------|------------------|-----------|
| Contact         | Beryllium Copper | Gold      |
| Insulation      | PTFE             |           |
| Outer Conductor | Brass            | Tri-Metal |
| Body            | Brass            | Tri-Metal |
| Crimp Sleeve    | Copper           | Tri-Metal |

#### Environmental Specifications

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

#### Plotted and Other Data

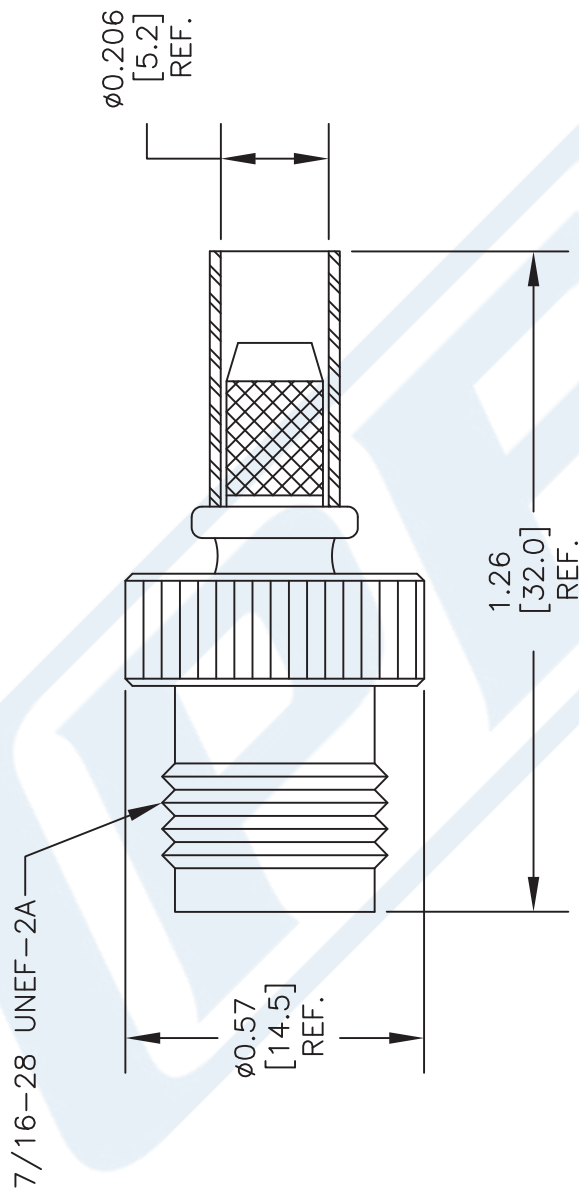
Notes:

RP-TNC Female Connector Crimp/Non-Solder Contact 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: [RP-TNC Female Connector Crimp/Non-Solder Contact Attachment for LMR-200, PE-C200 EZ-200-TF-RP](#)

URL: <https://www.pasternack.com/tnc-female-reverse-polarity-lmr-200-pe-c200-connector-ez-200-tf-rp-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.



REVERSE POLARITY  
TNC FEMALE

**STANDARD TOLERANCES**

.X  $\pm 0.2$   
.XX  $\pm 0.1$   
.XXX  $\pm 0.05$

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE

**EZ-200-TF-RP**

FSCM NO. 53919

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].

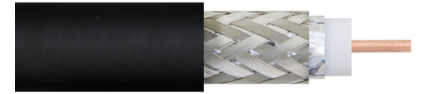
CAD FILE 122216

SCALE N/A

SIZE A

41742

## 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.

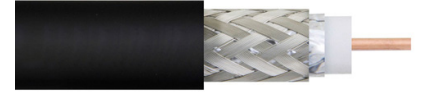
Pasternack LMR-200 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-200 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-200 or other coax can be built and shipped same day as well.

### 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

|                    |                 |
|--------------------|-----------------|
| <b>Temperature</b> |                 |
| 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

Low Loss Flexible LMR-200 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-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket LMR-200](https://www.pasternack.com/50-ohm-low-loss-flexible-lmr200-pe-jacket-double-shielded-black-lmr-200-p.aspx)

URL: <https://www.pasternack.com/50-ohm-low-loss-flexible-lmr200-pe-jacket-double-shielded-black-lmr-200-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-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

