



BNC Male Right Angle to SMA Male Low Loss Cable Using LMR-200 Coax with HeatShrink

RF Cable Assemblies Technical Data Sheet

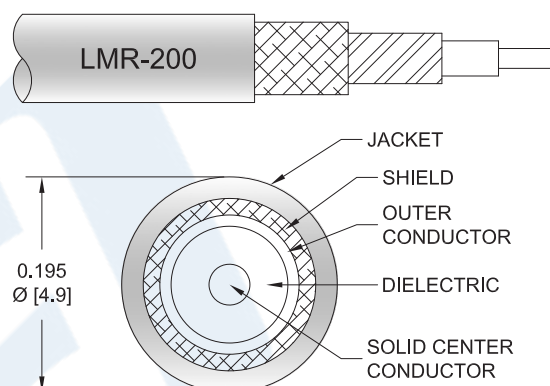
PE3W04203/HS

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: SMA Male
- Cable Type: LMR-200

Features

- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- PE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W04203/HS BNC male right angle to SMA male cable using LMR-200 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack BNC to SMA cable assembly has a male to male gender configuration with 50 ohm flexible LMR-200 coax. The right angle BNC interface on the LMR-200 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 90 dB.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|--------------|---------|-----------------|
| Velocity of Propagation | | 83 | | % |
| RF Shielding | 90 | | | dB |
| Group Delay | | 1.22 [4] | | ns/ft [ns/m] |
| Capacitance | | 24.5 [80.38] | | pF/ft [pF/m] |
| Inductance | | 0.061 [0.2] | | uH/ft [uH/m] |
| DC Resistance Inner Conductor | | 5.36 [17.59] | | Ω/1000ft [Ω/Km] |
| DC Resistance Outer Conductor | | 4.9 [16.08] | | Ω/1000ft [Ω/Km] |
| Jacket Spark | | | 3,000 | Vrms |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to SMA Male Low Loss Cable Using LMR-200 Coax with HeatShrink PE3W04203/HS](#)



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Cable Using LMR-200 Coax with HeatShrink

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PE3W04203/HS

Mechanical Specifications

Cable Assembly

Cable

| | |
|--------------------------------------|------------------------|
| Cable Type | LMR-200 |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper |
| Dielectric Type | PE (F) |
| Number of Shields | 2 |
| Shield Layer 1 | Aluminum Tape |
| Shield Layer 2 | Tinned Copper Braid |
| Jacket Material | PE, Black |
| Jacket Diameter | 0.195 in [4.95 mm] |
| One Time Minimum Bend Radius | 0.5 in [12.7 mm] |
| Repeated Minimum Bend Radius | 2 in [50.8 mm] |
| Bending Moment | 0.2 lbs-ft [0.27 N-m] |
| Flat Plate Crush | 15 lbs/in [0.27 Kg/mm] |
| Tensile Strength | 40 lbs [18.14 Kg] |

Connectors

| Description | Connector 1 | Connector 2 |
|-----------------------------------|----------------------|-------------|
| Type | BNC Male Right Angle | SMA Male |
| Specification | MIL-C-39012 | |
| Impedance | 50 Ohms | 50 Ohms |
| Contact Material and Plating | Brass, Gold | Brass, Gold |
| Contact Plating Specification | 30µ In. Min | |
| Dielectric Type | PTFE | Teflon |
| Body Material and Plating | Brass, Nickel | Brass, Gold |
| Coupling Nut Material and Plating | Brass, Nickel | Brass, Gold |
| Hex Size | | 5/16 Inch |

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

Plotted and Other Data

Notes:

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RF Cable Assemblies Technical Data Sheet

PE3W04203/HS

How to Order

Part Number Configuration:

PE3W04203/HS

- **xx**

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W04203/HS-12 = 12 inches long cable
PE3W04203/HS-100cm = 100 cm long cable

BNC Male Right Angle to SMA Male Low Loss Cable Using LMR-200 Coax with HeatShrink 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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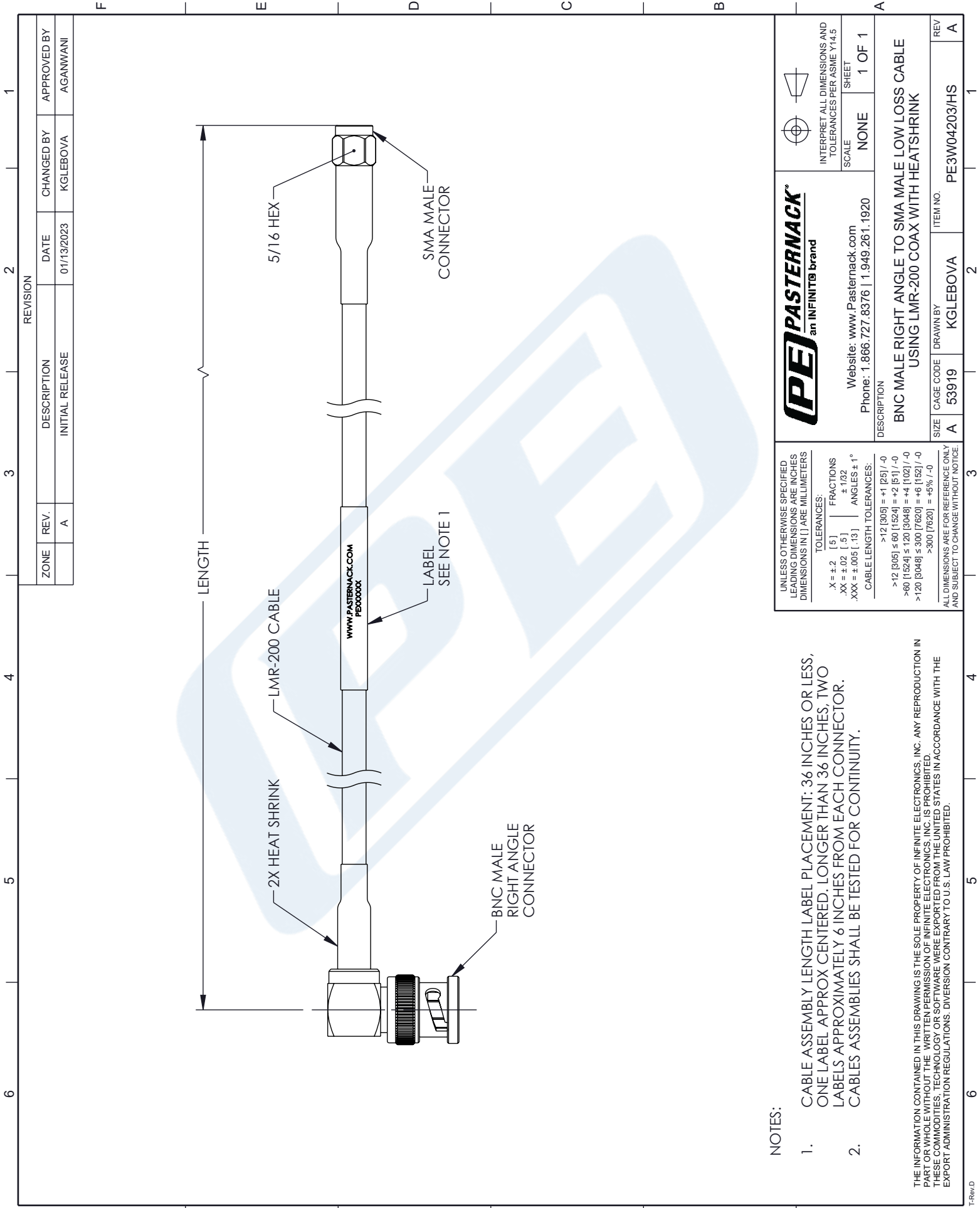
URL: <https://www.pasternack.com/bnc-male-right-angle-to-sma-male-low-loss-cable-using-lmr-200-with-heatshrink-pe3w04203-hs-p.aspx>

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PE3W04203/HS CAD Drawing

BNC Male Right Angle to SMA Male Low Loss Cable


Using LMR-200 Coax with HeatShrink



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROX CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.

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| | SCALE | SHEET |
| Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920 | NONE | 1 OF 1 |
| DESCRIPTION BNC MALE RIGHT ANGLE TO SMA MALE LOW LOSS CABLE USING LMR-200 COAX WITH HEATSHRINK | | |
| SIZE | CAGE CODE | ITEM NO. |
| A | 53919 | PE3W04203/HS |
| REV A | | |