

TNC Female RA Bulkhead to TNC Female RA Bulkhead Cable Using LMR-200 Coax with HeatShrink, LF Solder



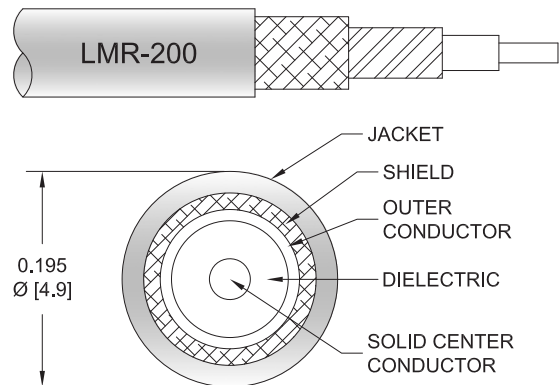
PE3C0957LF/HS

Configuration

- Connector 1: TNC Female Right Angle Bulkhead
- Connector 2: TNC Female Right Angle Bulkhead
- Cable Type: LMR-200
- Coax Flex Type: Flexible

Features

- Max Frequency 8 GHz
- Shielding Effectivity > 90 dB
- 83% Phase Velocity
- Double Shielded
- PE Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C0957LF/HS TNC female right angle bulkhead to TNC female right angle bulkhead 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 TNC to TNC cable assembly has a female to female gender configuration with 50 ohm flexible LMR-200 coax. The PE3C0957LF/HS TNC female to TNC female cable assembly operates to 8 GHz. The right angle TNC interfaces on the LMR-200 cable allow for easier connections in tight spaces. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications. 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
Frequency Range	DC		8	GHz
VSWR			1.4:1	
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]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		4.9 [16.08]		Ohms/1000ft [Ohms/Km]

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			3,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C0957LF/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.051	0.073	0.104	0.169	0.264	dB/ft	
			0.17	0.24	0.35	0.56	0.87	dB/m	
PE3C0957LF/HS-24	24 inch	Insertion Loss (Typ.)	0.51	0.55	0.61	0.74	0.93	dB	0.196
PE3C0957LF/HS-36	36 inch	Insertion Loss (Typ.)	0.56	0.62	0.72	0.91	1.2	dB	0.22
PE3C0957LF/HS-48	48 inch	Insertion Loss (Typ.)	0.61	0.7	0.82	1.08	1.46	dB	0.244
PE3C0957LF/HS-60	60 inch	Insertion Loss (Typ.)	0.66	0.77	0.92	1.25	1.72	dB	0.268
PE3C0957LF/HS-72	72 inch	Insertion Loss (Typ.)	0.71	0.84	1.03	1.42	1.99	dB	0.292

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1:	0.2 dB
Loss due to Connector 2:	0.2 dB
Base Weight:	0.172 pounds
Additional Weight per Inch:	0.002 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.17 lbs [77.11 g]

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]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Female Right Angle Bulkhead	TNC Female Right Angle Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Nickel	Brass, Nickel
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Operating Range Temperature -40 to +85 deg C

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

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration:

PE3C0957LF/HS - xx uu



Example: PE3C0957LF/HS-12 = 12 inches long cable
PE3C0957LF/HS-100cm = 100 cm long cable

TNC Female RA Bulkhead to TNC Female RA Bulkhead Cable Using LMR-200 Coax with HeatShrink, LF Solder 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: [TNC Female RA Bulkhead to TNC Female RA Bulkhead Cable Using LMR-200 Coax with HeatShrink, LF Solder PE3C0957LF/HS](https://www.pasternack.com/tnc-female-right-angle-bulkhead-to-tnc-female-bulkhead-low-loss-cable-using-lmr-200-with-heatshrink-lf-solder-pe3c0957lf-hs)

URL: <https://www.pasternack.com/tnc-female-right-angle-bulkhead-to-tnc-female-bulkhead-low-loss-cable-using-lmr-200-with-heatshrink-lf-solder-pe3c0957lf-hs-p.aspx>

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PE3C0957LF/HS CAD Drawing

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