

4.3-10 Male to 4.3-10 Male Low Loss Cable Using LMR-400 Coax with Times Microwave Components with HeatShrink



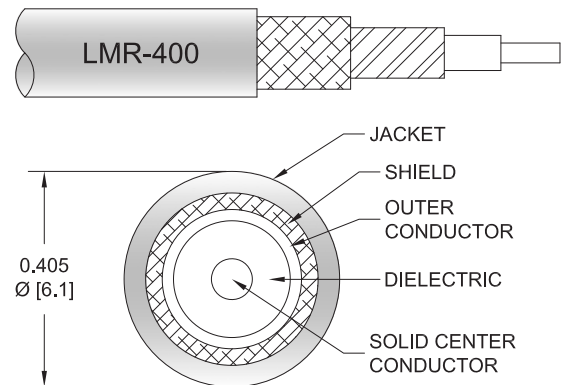
PE3C6908/HS

Configuration

- Connector 1: 4.3-10 Male
- Connector 2: 4.3-10 Male
- Cable Type: LMR-400
- Coax Flex Type: Flexible

Features

- Max Frequency 6 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- PE Jacket
- 500 Mating Cycles



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6908/HS 4.3-10 male to 4.3-10 male cable using LMR-400 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 4.3-10 to 4.3-10 cable assembly has a male to male gender configuration with 50 ohm flexible LMR-400 coax. The PE3C6908/HS 4.3-10 male to 4.3-10 male cable assembly operates to 6 GHz. 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		6	GHz
VSWR			1.4:1	
Velocity of Propagation		85		%
RF Shielding	90			dB
Group Delay		1.2 [3.94]		ns/ft [ns/m]
Capacitance		23.9 [78.41]		pF/ft [pF/m]
Inductance		0.06 [0.2]		uH/ft [uH/m]
DC Resistance Inner Conductor		1.39 [4.56]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		1.65 [5.41]		Ohms/1000ft [Ohms/Km]

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Jacket Spark			8,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency					MHz	
PE3C6908/HS	Custom Lengths Available	Insertion Loss (Typ.)	0.02	0.028	0.041	0.068	0.108	dB/ft	
			0.07	0.1	0.14	0.23	0.36	dB/m	
PE3C6908/HS-12	12 In	Insertion Loss (Typ.)	0.12	0.17	0.25	0.39	0.6	dB	0.259
PE3C6908/HS-24	24 In	Insertion Loss (Typ.)	0.14	0.2	0.29	0.46	0.71	dB	0.326
PE3C6908/HS-36	36 In	Insertion Loss (Typ.)	0.16	0.23	0.33	0.53	0.82	dB	0.393
PE3C6908/HS-48	48 In	Insertion Loss (Typ.)	0.18	0.26	0.37	0.59	0.93	dB	0.46
PE3C6908/HS-60	60 In	Insertion Loss (Typ.)	0.2	0.29	0.41	0.66	1.03	dB	0.527

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: 0.1*SQRT(FGHz) dB
- Loss due to Connector 2: 0.1*SQRT(FGHz) dB
- Base Weight: 0.259 pounds
- Additional Weight per Inch: 0.00558 pounds

Mechanical Specifications

Cable Assembly

- Width/Diameter 0.5 in [12.7 mm]
- Weight 0.189 lbs [85.73 g]

Cable

- Cable Type LMR-400
- Impedance 50 Ohms
- Inner Conductor Type Solid
- Inner Conductor Material and Plating Copper Clad Aluminum
- 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 0.405 in [10.29 mm]
- One Time Minimum Bend Radius 1 in [25.4 mm]
- Repeated Minimum Bend Radius 4 in [101.6 mm]
- Bending Moment 0.5 lbs-ft [0.68 N-m]
- Flat Plate Crush 40 lbs/in [0.71 Kg/mm]
- Tensile Strength 160 lbs [72.57 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	4.3-10 Male	4.3-10 Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Brass, Silver	Brass, Silver
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Coupling Nut Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

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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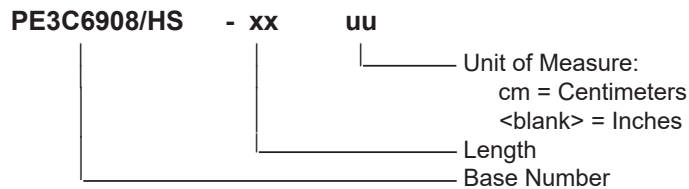


PE3C6908/HS

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3C6908/HS-12 = 12 inches long cable
PE3C6908/HS-100cm = 100 cm long cable

4.3-10 Male to 4.3-10 Male Low Loss Cable Using LMR-400 Coax with Times Microwave Components 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.

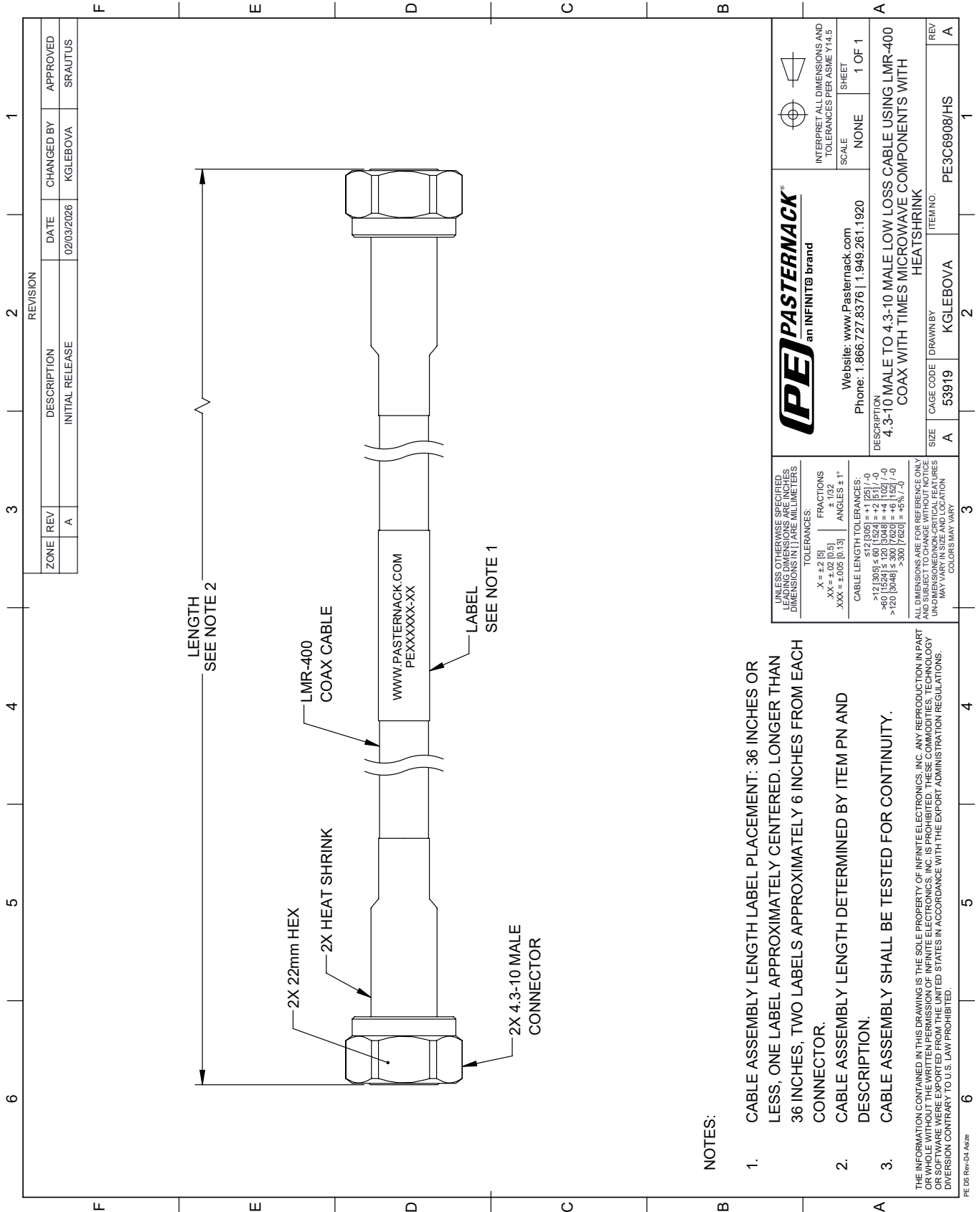
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4.3-10 Male to 4.3-10 Male Low Loss Cable Using LMR®-400 Coax with Times Microwave Components with HeatShrink PE3C6908/HS](#)

URL: <https://www.pasternack.com/4.3-10-male-to-4.3-10-male-low-loss-cable-using-lmr-400-with-heatshrink-pe3c6908-hs-p.aspx>

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PE3C6908/HS CAD Drawing

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NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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PE DS Rev-04 Add2

REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	02/03/2026	KGLEBOVA	SRAUTUS

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	NONE
DESCRIPTION 4.3-10 MALE TO 4.3-10 MALE LOW LOSS CABLE USING LMR-400 COAX WITH TIMES MICROWAVE COMPONENTS WITH HEATSHRINK		SHEET	1 OF 1
SIZE	A	CAGE CODE	53919
DRAWN BY	KGLEBOVA	ITEM NO.	PE3C6908/HS
REV	A		

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. LEADING DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN [] ARE MILLIMETERS.

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [0.5]
 .XXX = ±.005 [0.13]

FRACTIONS
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:
 ≤ 12 [305] ≤ 60 [1524] = ±.1 [25] / -0
 > 60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
 > 120 [3048] ≤ 300 [7620] = ±.5 [12.7] / -0
 > 300 [7620] = ±.5 [12.7] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.