

7/16 DIN Female Bulkhead to 7/16 DIN Female Bulkhead Low Loss Cable Using LMR-400-UF Coax



PE3W13264

Configuration

- Connector 1: 7/16 DIN Female Bulkhead
- Connector 2: 7/16 DIN Female Bulkhead
- Cable Type: LMR-400-UF
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- Shielding Effectivity > 90 dB
- 85% Phase Velocity
- Double Shielded
- TPE Jacket
- 500 Mating Cycles

Applications

- General Purpose
- Laboratory Use

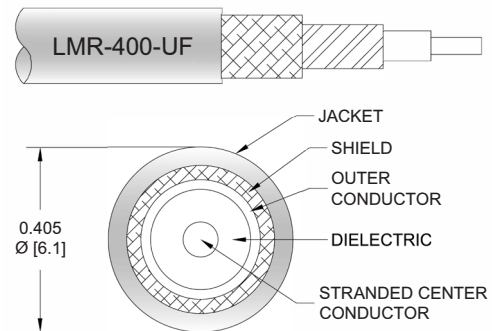
Description

Pasternack's PE3W13264 7/16 DIN female bulkhead to 7/16 DIN female bulkhead cable using LMR-400-UF 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 7/16 DIN to 7/16 DIN cable assembly has a female to female gender configuration with 50 ohm flexible LMR-400-UF coax. The PE3W13264 7/16 DIN female to 7/16 DIN female cable assembly operates to 3 GHz. Our RF cable assembly with 7/16 DIN 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		3	GHz
VSWR			1.33:1	
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		1.07 [3.51]		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
Operating Voltage (DC)			2,700	Vdc
Dielectric Withstanding Voltage (DC)			4,000	Vdc
Jacket Spark			8,000	Vrms

Specifications by Frequency

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3W13264	Custom Lengths Available	Insertion Loss (Typ.)	0.015	0.023	0.035	0.5	0.085	dB/ft	
			0.05	0.08	0.12	1.65	0.28	dB/m	
PE3W13264-12	12 inch	Insertion Loss (Typ.)	0.22	0.23	0.24	0.7	0.29	dB	0.693
PE3W13264-24	24 inch	Insertion Loss (Typ.)	0.23	0.25	0.27	1.2	0.37	dB	0.78
PE3W13264-36	36 inch	Insertion Loss (Typ.)	0.25	0.27	0.31	1.7	0.46	dB	0.867
PE3W13264-60	60 inch	Insertion Loss (Typ.)	0.28	0.32	0.38	2.7	0.63	dB	1.041
PE3W13264-300	300 inch	Insertion Loss (Typ.)	0.58	0.78	1.08	12.7	2.33	dB	2.781

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 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.693 pounds
Additional Weight per Inch:	0.00725 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.693 lbs [314.34 g]

Cable

Cable Type	LMR-400-UF
Impedance	50 Ohms
Inner Conductor Type	Stranded
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	TPE, 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	0.38 lbs-ft [0.52 N-m]
Flat Plate Crush	20 lbs/in [0.36 Kg/mm]
Tensile Strength	160 lbs [72.57 Kg]

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Connectors

Description	Connector 1	Connector 2
Type	7/16 DIN Female Bulkhead	7/16 DIN Female Bulkhead
Specification	IEC 61169-4	IEC 61169-4
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	500	500
Contact Material and Plating	Spring Copper, Silver	Spring Copper, Silver
Contact Plating Specification	5 µm minimum	5 µm minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal
Body Plating Specification	2 µm minimum	2 µm 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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PE3W13264

Typical Performance Data

How to Order

Part Number Configuration: **PE3W13264** - **xx** **uu**

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W13264-12 = 12 inches long cable
PE3W13264-100cm = 100 cm long cable

7/16 DIN Female Bulkhead to 7/16 DIN Female Bulkhead Low Loss Cable Using LMR-400-UF Coax 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: [7/16 DIN Female Bulkhead to 7/16 DIN Female Bulkhead Low Loss Cable Using LMR-400-UF Coax PE3W13264](https://www.pasternack.com/7-16-din-female-bulkhead-to-7-16-din-female-bulkhead-low-loss-cable-using-lmr-400-uf-pe3w13264-p.aspx)

URL: <https://www.pasternack.com/7-16-din-female-bulkhead-to-7-16-din-female-bulkhead-low-loss-cable-using-lmr-400-uf-pe3w13264-p.aspx>

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