



Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 Coax

RF Cable Assemblies Technical Data Sheet

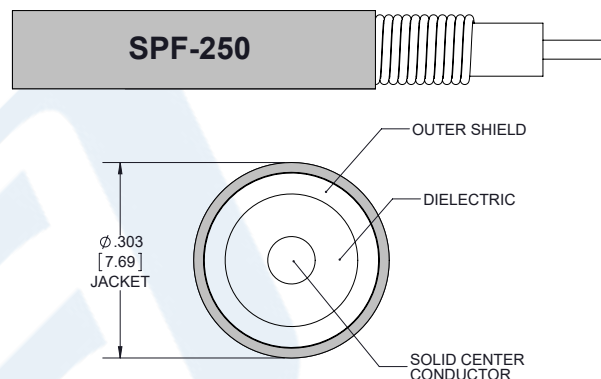
PE3W08482

Configuration

- Connector 1: 4.1/9.5 Mini DIN Female Bulkhead
- Connector 2: 4.3-10 Female 4 Hole Flange
- Cable Type: SPF-250

Features

- Max Frequency 5.8 GHz
- Low PIM: -160 dBc Max
- 83% Phase Velocity
- FRPE Jacket



Applications

- General Purpose
- Laboratory Use
- Low PIM Applications

Description

Pasternack's PE3W08482 4.1/9.5 Mini DIN female bulkhead to 4.3-10 female 4 hole flange cable using SPF-250 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 4.1/9.5 Mini DIN to 4.3-10 cable assembly has a female to female gender configuration with 50 ohm flexible SPF-250 coax. The PE3W08482 4.1/9.5 Mini DIN female to 4.3-10 female cable assembly operates to 5.8 GHz. Our low PIM design also offers excellent passive intermodulation performance with PIM levels better than -160 dBc. Our RF cable assembly with 4.1/9.5 Mini DIN bulkhead and 4.3-10 4 hole flange 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.

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		5.8	GHz
VSWR			1.4:1	
Velocity of Propagation		83		%
Passive Intermodulation			-160	dBc

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 Coax PE3W08482](#)



Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female
4 Hole Flange Low PIM Cable Using SPF-250 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08482

Capacitance	24 [78.74]	pF/ft [pF/m]
Inductance	0.054 [0.18]	uH/ft [uH/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	5.8	GHz
Insertion Loss (Typ.)	0.041	0.042	0.06	0.103	0.166	dB/ft
	0.13	0.14	0.2	0.34	0.54	dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the straight connector.

Mechanical Specifications

Cable Assembly

Weight 0.207 lbs [93.89 g]

Cable

Cable Type SPF-250
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Aluminum
Dielectric Type Foam PE
Jacket Material FRPE, Black
Jacket Diameter 0.303 in [7.7 mm]

One Time Minimum Bend Radius 1.5 in [38.1 mm]
Repeated Minimum Bend Radius 6 in [152.4 mm]
Bending Moment 1.75 lbs-ft [2.37 N-m]
Flat Plate Crush 40 lbs/in [0.71 Kg/mm]
Tensile Strength 350 lbs [158.76 Kg]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 Coax PE3W08482](#)



Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female
4 Hole Flange Low PIM Cable Using SPF-250 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08482

Connectors

Description	Connector 1	Connector 2
Type	4.1/9.5 Mini DIN Female Bulkhead	4.3-10 Female 4 Hole Flange
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Bronze, Silver	Bronze, Silver
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Brass, Tri-Metal	Bronze, Tri-Metal
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 Coax PE3W08482](#)



Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female
4 Hole Flange Low PIM Cable Using SPF-250 Coax

RF Cable Assemblies Technical Data Sheet

PE3W08482

How to Order

Part Number Configuration:

PE3W08482

- **xx**

uu

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

Example: PE3W08482-12 = 12 inches long cable
PE3W08482-100cm = 100 cm long cable

Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 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: [Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female 4 Hole Flange Low PIM Cable Using SPF-250 Coax PE3W08482](https://www.pasternack.com/fire-rated-4.1-9.5-mini-din-female-bulkhead-to-4.3-10-female-4-hole-flange-low-pim-cable-using-spf-250-pe3w08482-p.aspx)

URL: <https://www.pasternack.com/fire-rated-4.1-9.5-mini-din-female-bulkhead-to-4.3-10-female-4-hole-flange-low-pim-cable-using-spf-250-pe3w08482-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.

PE3W08482 CAD Drawing

Fire Rated 4.1/9.5 Mini DIN Female Bulkhead to 4.3-10 Female
4 Hole Flange Low PIM Cable Using SPF-250 Coax

