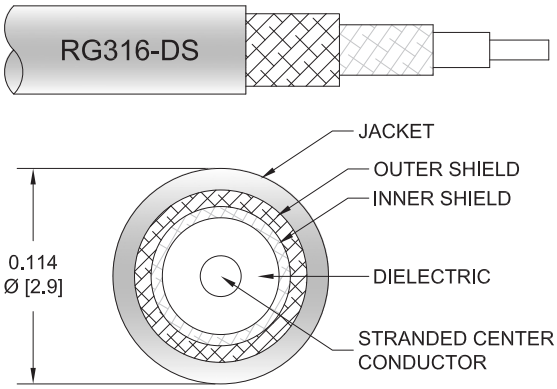
TNC Female Bulkhead to MCX Plug Right Angle Cable Using RG316-DS Coax

PE35879

Configuration

- Connector 1: TNC Female Bulkhead
- Connector 2: MCX Plug Right Angle
- Cable Type: RG316-DS
- Coax Flex Type: Flexible



Features

- Max Frequency 1 GHz
- 70% Phase Velocity
- Double Shielded
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE35879 TNC female bulkhead to MCX plug right angle cable using RG316-DS 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 MCX cable assembly has a female to plug gender configuration with 50 ohm flexible RG316-DS coax. The PE35879 TNC female to MCX plug cable assembly operates to 1 GHz. The right angle MCX interface on the RG316-DS cable allows 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.

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		1,000	MHz
VSWR		1.4:1		
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			250	Vrms

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	400	500	1000	MHz	
PE35879	Custom Lengths Available	Insertion Loss (Typ.)	0.08	0.13	0.175	0.194	0.29	dB/ft	
			0.27	0.42	0.58	0.64	0.96	dB/m	
PE35879-6	6 inch	Insertion Loss (Typ.)	0.35	0.37	0.39	0.4	0.45	dB	0.054
PE35879-12	12 inch	Insertion Loss (Typ.)	0.39	0.43	0.48	0.5	0.59	dB	0.061
PE35879-24	24 inch	Insertion Loss (Typ.)	0.47	0.56	0.65	0.69	0.88	dB	0.076
PE35879-36	36 inch	Insertion Loss (Typ.)	0.55	0.69	0.83	0.89	1.17	dB	0.09
PE35879-48	48 inch	Insertion Loss (Typ.)	0.63	0.82	1	1.08	1.46	dB	0.104

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:	0.061	pounds
Additional Weight per Inch:	0.00117	pounds

Mechanical Specifications

Cable Assembly

Weight	0.061 lbs [27.67 g]

Cable

Cable Type	RG316-DS
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	2
Shield Layer 1	Silver Plated Copper Braid
Shield Layer 2	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.114 in [2.9 mm]
One Time Minimum Bend Radius	0.59 in [14.99 mm]

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Connectors

Description	Connector 1	Connector 2
Type	TNC Female Bulkhead	MCX Plug Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30 µin minimum	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	

Environmental Specifications

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: **PE35879 - xx uu**

- uu — Unit of Measure:
  - cm = Centimeters
  - <blank> = Inches
- xx — Length
- PE35879 — Base Number

Example: PE35879-12 = 12 inches long cable
PE35879-100cm = 100 cm long cable

TNC Female Bulkhead to MCX Plug Right Angle Cable Using RG316-DS 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: TNC Female Bulkhead to MCX Plug Right Angle Cable Using RG316-DS Coax PE35879

URL: https://www.pasternack.com/tnc-female-bulkhead-to-mcx-plug-cable-using-rg316-ds-pe35879-p.aspx

PE35879 CAD Drawing

TNC Female Bulkhead to MCX Plug Right Angle Cable Using RG316-DS Coax