

N Male to MCX Plug Right Angle Cable Using RG316-DS Coax with HeatShrink



RF Cable Assemblies Technical Data Sheet

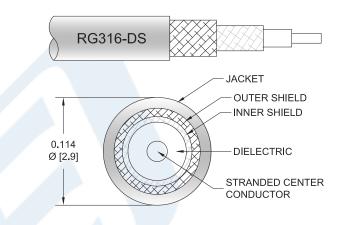
PE35276/HS

Configuration

- Connector 1: N Male
- Connector 2: MCX Plug Right Angle
- Cable Type: RG316-DS

Features

- Max Frequency 3 GHz
- 70% Phase Velocity
- · Double Shielded
- FEP Jacket



Applications

· General Purpose

Laboratory Use

Description

Pasternack's PE35276/HS type N male 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 type N to MCX cable assembly has a male to plug gender configuration with 50 ohm flexible RG316-DS coax. The PE35276/HS type N male to MCX plug cable assembly operates to 3 GHz. The right angle MCX interface on the RG316-DS cable allows for easier connections in tight spaces. 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Male to MCX Plug Right Angle Cable Using RG316-DS Coax with HeatShrink PE35276/HS

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR		/ All	1.5:1	
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]
Operating Voltage (AC)			1,000	Vrms

Specifications by Frequency

	- 4					
Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	3	GHz
Insertion Loss (Typ.)	0.082	0.128	0.194	0.29	0.535	dB
	0.27	0.42	0.64	0.95	1.76	

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly

Length* 0 in [0 mm]

Weight 0.09 lbs [40.82 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 Shield Layer 1

Silver Plated Copper Braid Shield Layer 2 Silver Plated Copper Braid

Jacket Material FEP, Tan Jacket Diameter

One Time Minimum Bend Radius 0.59 in [14.99 mm]

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0.114 in [2.9 mm]

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Connectors

Description	Connector 1	Connector 2	
Туре	N Male	MCX Plug Right Angle	
Specification	MIL-STD-348A		
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Brass, Gold		
Contact Plating Specification	30μ in. minimum		
Dielectric Type	Teflon		
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100μ in. minimum		
Coupling Nut Material and Plating	Brass, Nickel		
Coupling Nut Plating Specification	100μ in. minimum		

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25°C, sea level.

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PE35276/HS

How to Order



Example: PE35276/HS-12 = 12 inches long cable

PE35276/HS-100cm = 100 cm long cable

N Male to MCX Plug Right Angle Cable Using RG316-DS Coax 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.

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URL: https://www.pasternack.com/A-male-to-mcx-plug-cable-usiAg-rg316-ds-with-heatshriAk-pe35276-hs-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.

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PE35276/HS CAD Drawing
N Male to MCX Plug Right Angle Cable Using RG316-DS Coax with HeatShrink

