

N Male to MCX Plug Right Angle Cable 36 Inch  
Length Using RG316-DS Coax



RF Cable Assemblies Technical Data Sheet

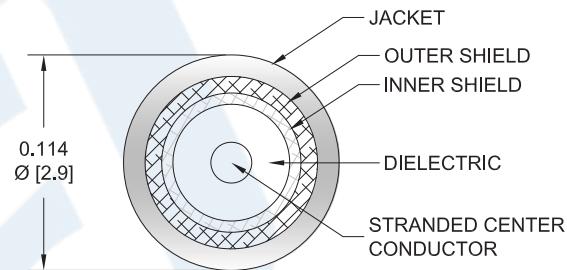
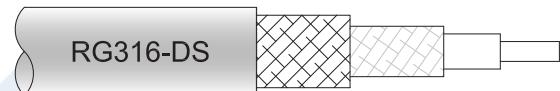
PE35276-36

**Configuration**

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

**Features**

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



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE35276-36 type N male to MCX plug right angle 36 inch 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 PE35276-36 type N male 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. 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 36 Inch Length Using RG316-DS Coax PE35276-36](#)

# N Male to MCX Plug Right Angle Cable 36 Inch Length Using RG316-DS Coax



## RF Cable Assemblies Technical Data Sheet

**PE35276-36**

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			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

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.39	0.5	0.64	0.84	1.12	dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated 0.15 dB for the right angle connector and 0.1 dB for the straight connector.

### Mechanical Specifications

#### Cable Assembly

Length*	36 in [914.4 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	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	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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## N Male to MCX Plug Right Angle Cable 36 Inch Length Using RG316-DS Coax



### RF Cable Assemblies Technical Data Sheet

PE35276-36

#### How to Order

Part Number Configuration:

**PE35276**

- **xx**

**uu**

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

Example: PE35276-12 = 12 inches long cable  
PE35276-100cm = 100 cm long cable

N Male to MCX Plug Right Angle Cable 36 Inch Length 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: [N Male to MCX Plug Right Angle Cable 36 Inch Length Using RG316-DS Coax PE35276-36](#)

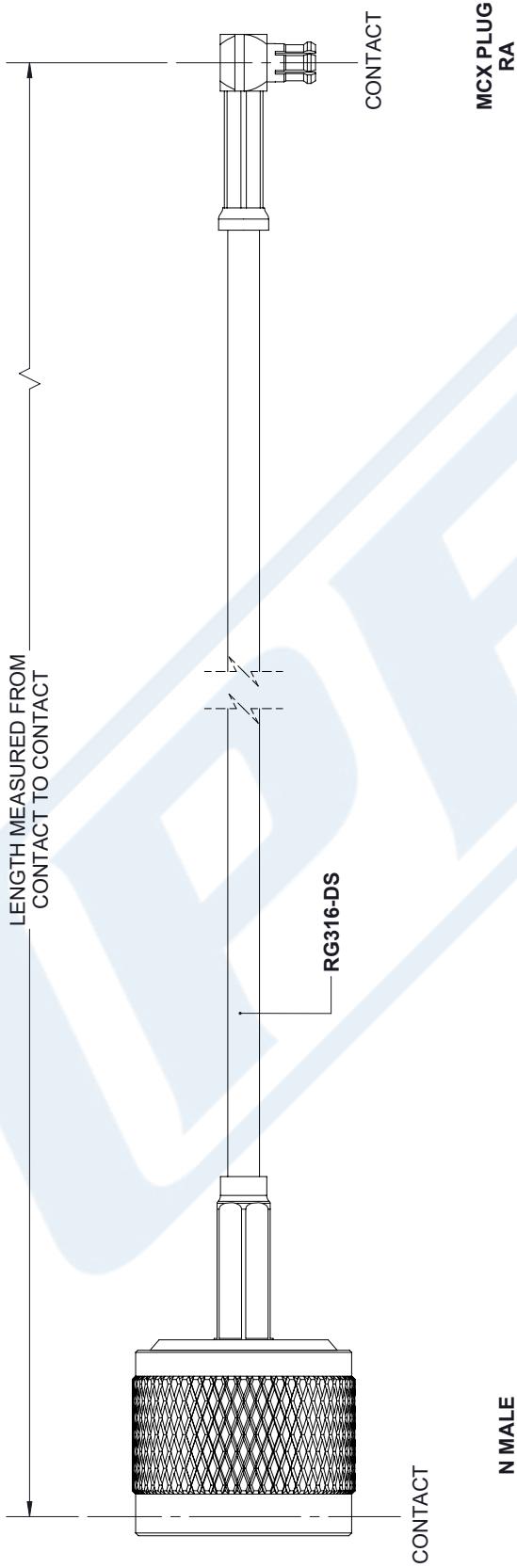
URL: <https://www.pasternack.com/n-male-mcx-plug-rg316-ds-cable-assembly-pe35276-36-p.aspx>

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.

# PE35276-36 CAD Drawing

N Male to MCX Plug Right Angle Cable 36 Inch Length Using RG316-DS Coax

REVISIONS				
REV.	DESCRIPTION	DATE	APPROVED	
A	INITIAL RELEASE	4/15/2021	S.SELLIS	



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS TOLERANCES:		THIRD-ANGLE PROJECTION 
		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.
<b>PE PASTERNAK®</b> an INFINITE® brand		SHEET 1 OF 1
Pasterнак Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.920   1.866.727.8376 Fax: 1.949.261.7451 Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a> E-mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>		SCALE N/A
SIZE A	CAGE CODE 53919	DRAWN BY K.DANG
		ITEM NO. PE35276
		REV A

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS  
TOLERANCES:

X = ± 2 [5.08]	FRACTIONS XX = ± .02 [ .51 ]	± 1/32
XXX = ± .005 [ .13 ]	ANGLES ± 1°	CABLE LENGTH (L) TOLERANCES:
L ≤ 12 [305] = +1 [25] / -0		L ≤ 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
12 [305] < L ≤ 120 [3048] = +4 [102] / -0		60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [153] / -0		300 [7620] < L = +5% L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

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