

#### **Product Features**

P1-NP/NP-RD316-36 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 36 inch N Male to N Male cable assembly that utilizes RD316 Double-Shielded RG Type Flex coax, which is 0.114 inches in diameter. This Double-Shielded RG Type Flex cable operates to 6 GHz with a max VSWR of 1.35:1. P1dB's Double-Shielded RG Type Flex cable assemblies are general purpose commercial grade cables that meet dimensional and electrical specifications of QPL cables. Double-Shielded RG Type Flex cables can operate up to 6 GHz, depending on the installed connectors. The advantage of RG type commercial cables over QPL cables is their lower cost, since they do not go through the stringent environmental, mechanical and certification testing required for military grade, QPL equivalents.



## **Electrical Specification: T**<sub>Ambient</sub> = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		6.0	
VSWR	DC to 0.4	1:			1.2	
	0.4 to 1.0				1.25	
	1.0 to 2.4				1.3	
	2.4 to 5.0				1.35	
Insertion Loss	DC to 0.4	dB/ft.			0.18	
	0.4 to 1.0				0.31	
	1.0 to 2.4				0.49	
	2.4 to 5.0				0.67	
Velocity Of Propagation		%		69.5		

## **Mechanical And Environmental Specifications:**

Parameter	Description	Notes		
Connector 1	N Male			
Connector 1 Coupling Nut	Tin-Zinc-Copper-Alloy Plated Brass			
Connector 1 Body	Tin-Zinc-Copper-Alloy Plated Brass			
Connector 1 Contact	Gold Plated Brass			
Connector 2	N Male			
Connector 2 Coupling Nut	Tin-Zinc-Copper-Alloy Plated Brass			
Connector 2 Body	Tin-Zinc-Copper-Alloy Plated Brass			
Connector 2 Contact	Gold Plated Brass			
Coax Cable	Double-Shielded RG Type Flex			
Cable Type	RD316			
Cable Inner Conductor	7/.0067 SPCW			
Dielectric	PTFE			
Shield	1. SPC Braid			
	2. SPC Braid			

P1dB. Inc.

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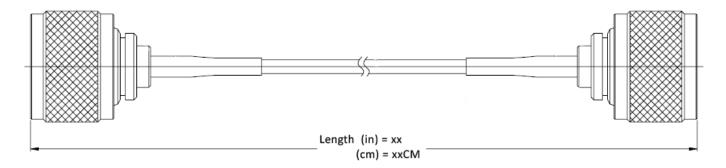
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N Male to N Male, RD316 Double-Shielded Flex Coax, 36 inch, DC to 6 GHz.

Parameter	Description	Notes
Jacket	FEP	
Coax Diameter	0.114	
Minimum Bend Radius	0.6	
Length	36.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

# Drawing



### **Product Notes**