

## P1CA-SAMBNM-RG316-18

SMA Male to BNC Male cable using RG-316 flex, 18 inch, frequency to 3 GHz.

#### **Product Features**

P1CA-SAMBNM-RG316-18 is a cable that is part of P1dB's RG series flex cable assemblies. It is an 18 inch SMA Male to BNC Male (plug) cable assembly that utilizes RG-316 RG Type Flex coax, which is 0.098 inches in diameter. This RG Type Flex cable operates to 3 GHz with a max VSWR of 1.35:1.

P1dB's RG Type Flex cable assemblies are general purpose commercial grade cables that meet dimensional and electrical specifications of QPL cables. 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.



69.5

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		3.0	
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 0.5				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 0.5				0.67	

%

### Electrical Specification: T Ambient = 25° C

#### **Mechanical And Environmental Specifications:**

Velocity Of Propagation

Parameter	Description	Notes			
Connector 1	SMA 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	BNC 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	RG Type Flex				
Cable Type	RG-316				
Cable Inner Conductor	7/.0067 SPCW				
Dielectric	PTFE	PTFE			
Shield	1. SPC Braid	1. SPC Braid			
Jacket	FEP	FEP			
Coax Diameter	0.098				
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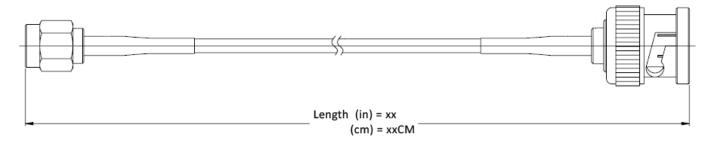


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Parameter	Description	Notes
Minimum Bend Radius	0.5	
Length	18.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

## Drawing



**Product Notes**