

RF316-07SP1-01BJ1-0300



RF316-01RP1-02RP1-0200

RF316 SERIES

50Ω RG 316 CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF316

RF Connector:

Outer Contact Material:
Ni plated Brass (BNC)
Au plated Brass (SMB & SMA)
Au plated BeCu (MCX, MMCX & SSMB)
Center Contact Material:
Au plated Brass (BNC-P, MCX-P, MMCX-P & SMA-P)
Au plated BeCu (SMB-P, SMA-J & SSMB)
Au plated Phos. Bronze (BNC-J)

Insulator Material:
PTFE

Operating Temperature:
-50°C to +165°C

Insulator Resistance:
5,000 MΩ

Impedance:
50Ω

Frequency Range:
0-6 GHz
(Cable & connector dependent)

RoHS Compliant:
Yes

RG 316 Cable:

Impedance:
50Ω
Capacitance:
96.432 pF/meter
Max Attenuation (cable only):
1.25dB @ 1GHz for 1 meter
Conductor Size:
26 AWG, (0.51 mm) .020" dia.
Conductor Material:
Silver Plated Copper
Insulator Material:
PTFE
Shield Material:
Silver Plated Copper Clad Steel
Jacket Material:
FEP
Jacket Diameter:
(2.54 mm) .100"
Jacket Color:
Amber
RoHS Compliant:
Yes

Mates with:
MCX, MMCX, MMCXV,
SMA, SMB5, SSMB,
BNC, TNC, NTPE

RF Cable Builder

Quickly...Build a cable.
Verify a part number.
View print, Request price,
Order sample...all online!

www.samtec.com/rfbuilder

High performance 26 AWG
RG 316 coax cable

2.1dK

Plugs and
Jacks

Single or
Double Ended

Straight or
Right Angle

CABLE TYPE

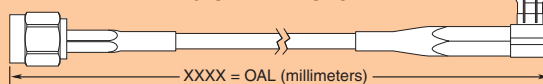
END 1 CONNECTOR

END 2 CONNECTOR

Specify END OPTIONS from chart

RF316
= RG 316 Cable,
Single Braid Shield

-01SP1-2RP1 SHOWN



END OPTIONS	
-01SP1 = SMA, Straight Plug	
-01RP1 = SMA, Right Angle Plug	
-07SP1 = SMB, Straight Plug	
-07RP1 = SMB, Right Angle Plug	
-02SJ1 = MCX, Straight Jack	

END OPTIONS	
-02RP1 = MCX, Right Angle Plug	
-02SP1 = MCX, Straight Plug	
-03SP1 = MMCX, Straight Plug	
-V3SP4 = MMCXV, Straight Plug	
-03RP1 = MMCX, Right Angle Plug	
-V3RP4 = MMCXV, Right Angle Plug	
-V3SJ4 = MMCXV, Straight Jack	
-S7SP4 = SSMB, Straight Plug	
-S7RP4 = SSMB, Right Angle Plug	

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM



RF316-02RP1-02SP1-0200

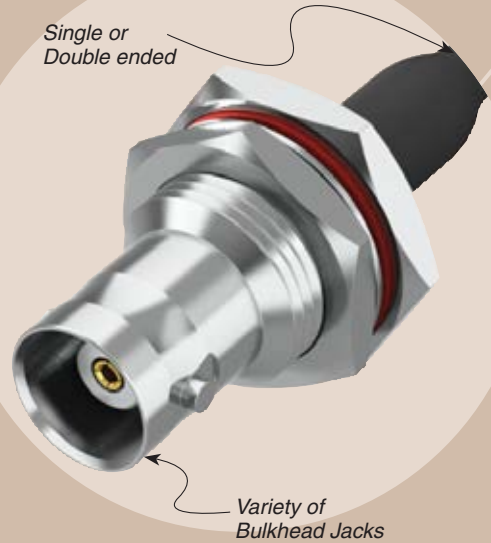


RF316-04BJ3-07SP1-0100



ALSO AVAILABLE

- IP68 Sealed AccliMate™ end options.
 - IP67 TNC option.
 - RG 316 with double braid shield.
 - Cable Connector Kits.
 - Additional plating options available.
 - Additional end connector combinations.
 - Knurled nuts with BNC option.
- Call Samtec.



OVERALL LENGTH

—“XXXX”

= Overall Length in millimeters -0100 (100 mm) minimum
(Cable lengths larger than 1000 millimeters are not supported by S.I. Test data)

END OPTIONS		END OPTIONS		END OPTIONS																								
-04SP3 = BNC, Straight Plug		-01PN1 = SMA, Straight Panel Mount Jack		<p>END OPTIONS</p> <p>-SING = Single Ended (End 2 Callout)</p> <p>XXXXXX = Stripped & Tinned (End 2 Callout)</p>																								
-05SP3 = TNC, Straight Plug		-04BJ3 = BNC, Bulkhead Jack																										
-07BJ1 = SMB, Bulkhead Jack		-05BJ3 = TNC, Bulkhead Jack		<p>STRIPPED & TINNED (Dimensions in mm)</p> <table border="1"> <thead> <tr> <th>CALLOUT</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>-303030</td> <td>3.0</td> <td>3.0</td> <td>3.0</td> </tr> <tr> <td>-303040</td> <td>3.0</td> <td>3.0</td> <td>4.0</td> </tr> <tr> <td>-403030</td> <td>4.0</td> <td>3.0</td> <td>3.0</td> </tr> <tr> <td>-403040</td> <td>4.0</td> <td>3.0</td> <td>4.0</td> </tr> <tr> <td>-404040</td> <td>4.0</td> <td>4.0</td> <td>4.0</td> </tr> </tbody> </table> <p>Both center conductor and braid shield are stripped, only the center conductor is tinned. Call Samtec for other sizes or tinning options.</p>	CALLOUT	A	B	C	-303030	3.0	3.0	3.0	-303040	3.0	3.0	4.0	-403030	4.0	3.0	3.0	-403040	4.0	3.0	4.0	-404040	4.0	4.0	4.0
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-01BJ1 = SMA, Straight Bulkhead Jack		-06BJ2 = N Type, Bulkhead Jack																										
-01SB1 = SMA, Straight Bulkhead Jack, Sealed																												
-01SR1 = SMA, Straight Bulkhead Jack, Sealed, Reversed Polarity																												
-01BR1 = SMA, Straight Bulkhead Jack, Reversed Polarity																												

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