

RF174-07SP1-01BJ1-0300



RF174-01RP1-02RP1-0200

RF174 SERIES

50Ω RG 174 CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF174

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 +90°C

Insulator Resistance:
5,000 MΩ

Impedance:
50Ω

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

RoHS Compliant:
Yes

RG 174 Cable:

Impedance:
50Ω
Capacitance:
101.024 pF/meter
Max Attenuation (cable only):
1.4dB @ 1GHz for 1 meter
Conductor Size:
26 AWG, (0,48 mm) .019" dia.
Conductor Material:
Copper
Insulator Material:
LEP
Shield Material:
Tin Copper
Jacket Material:
PVC
Jacket Diameter:
(2,70 mm) .106"
Jacket Color:
Black
RoHS Compliant:
Yes

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

Standard performance 26 AWG
RG 174 coax cable

2.3dK

Plugs and
Jacks

Single or
Double Ended

**RF Cable
Builder**

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

www.samtec.com/rfbuilder

Straight or
Right Angle

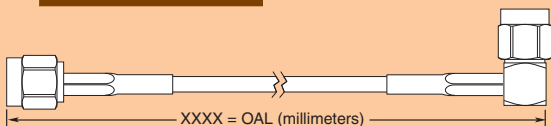
CABLE TYPE

END 1 CONNECTOR

END 2 CONNECTOR

Specify END OPTIONS from chart

RF174
= RG 174 Cable



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.

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RF174-02RP1-02SP1-0200



RF174-04BJ3-07SP1-0100

Heavy Gold plated



Choice of RF connector styles

Standard heat shrink wraps

Variety of Bulkhead Jacks



Single or Double ended

ALSO AVAILABLE

- IP67 TNC option.
 - 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		END OPTIONS -SING = Single Ended (End 2 Callout) 																									
-05SP3 = TNC, Straight Plug		-04BJ3 = BNC, Bulkhead Jack		XXXXXX = Stripped & Tinned (End 2 Callout) 																									
-07BJ1 = SMB, Bulkhead Jack		-05BJ3 = TNC, Bulkhead Jack		STRIPPED & TINNED (Dimensions in mm)																									
-01BJ1 = SMA, Straight Bulkhead Jack		-06BJ2 = N Type, Bulkhead Jack		<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>		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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-404040	4.0	4.0	4.0																										
-01SB1 = SMA, Straight Bulkhead Jack, Sealed				Both center conductor and braid shield are stripped, only the center conductor is tinned. Call Samtec for other sizes or tinning options.																									
-01SR1 = SMA, Straight Bulkhead Jack, Sealed, Reversed Polarity																													
-01BR1 = SMA, Straight Bulkhead Jack, Reversed Polarity																													

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