



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

Operating Temperature: -50°C to +90°C

Insulator Resistance: $5,000 \text{ M}\Omega$ Impedance:

Frequency Range: 0~6 GHz

(Cable & connector dependent)
RoHS Compliant:

RG 174 Cable: Impedance: 50Ω Capacitance: 101.024 pF/meter Max Attenuation (cable only): 1.4dB @ 1 GHz 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 Bend Radius:

25.4 mm **RoHS Compliant:** Mates with:

MCX, MMCX, MMCXV, SMA, SMB5, BNC5, TNC, NTPE

THINK OUTSIDE THE CATALOG

Create a full system: cable assembly and board level mates, 50Ω and 75Ω solutions

24-hour samples on standard products

Visit: rf.samtec.com

Standard performance 26 AWG 2.3dK \ RG 174 coax cable Plugs and Jacks SOLUTIONATOR Single or Double Ended Straight or Right Angle

CABLE TYPE

END₁ CONNECTOR CONNECTOR

RF174 = RG 174 Cable

Specify END OPTIONS from chart



END OPTIONS		
-01SP1 = SMA Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		
-01RP1 = SMA Right Angle Plug (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)		
-07SP1 = SMB Straight Plug (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)		
-07RP1 = SMB Right Angle Plug (30µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)		
-02SJ1 = MCX Straight Jack (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		

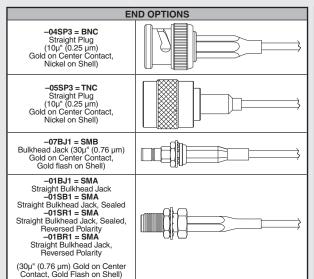
END OPTIONS						
-02RP1 = MCX Right Angle Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)						
-02SP1 = MCX Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)						
-03SP1 = MMCX Straight Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)						
-03RP1 = MMCX Right Angle Plug (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)						
-V3SP1 = MMCXV Straight Plug, High Vibration (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)						
-V3RP1 = MMCXV Right Angle Plug, High Vibration (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)						
-V3SJ1 = MMCXV Straight Jack, High Vibration (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)						



OVERALL LENGTH

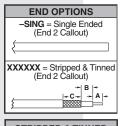
-"XXXX"

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



END OFTIONS				
-01PN1 = SMA 4-Hole Panel Mount Jack (30μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)				
-04BJ2 = BNC Bulkhead Jack (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)				
-05BJ3 = TNC Bulkhead Jack (10μ" (0.25 μm) Gold on Center Contact, Nickel on Shell)				
-06BJ2 = N Type Bulkhead Jack (30μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)				

FND OPTIONS



STRIPPED & TINNED (Dimensions in mm)

CALLOUT	Α	В	С
-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

Both center conductor and braid shield are stripped, only the center conductor is tinned.