

RF316-07SP1-01BJ1-0300

RF316-01RP1-02RP1-0200

50 Ω RG 316 CABLE ASSEMBLIES

Mates with: **SPECIFICATIONS** MCX, MMCX, MMCXV, SMA, SMB5, BNC5, TNC 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) 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: PTFF Operating Temperature: -50 °C to +165 °C Impedance: 50 Ω Frequency Range: 0~6 GHz (Cable & connector dependent) **RoHS Compliant:** Yes

RG 316 Cable:

Impedance: 50 Ω 50 Ω Capacitance: 96.432 pF/meter Max Attenuation (cable only): 1.25 dB @ 1 GHz for 1 meter Conductor Size: 26 AWG, (0.51 mm).020" dia. **Conductor Material:** Silver Plated Copper Insulator Material: Shield Material: Silver Plated Copper Clad Steel Jacket Material: FFP Jacket Diameter: (2.54 mm) .100" Jacket Color: Amber Bend Radius: 127 mm **RoHS Compliant:**

OTHER SOLUTIONS

RG 316 cable available, see RS316 Series Cable connector kits (see cable components catalog pages)

Double shielded

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 Create a full system: cable assembly and 1 50 Ω and 75 Ω solution Free samples available Visit: rf.samtec.com 	ons		Double shielded RG 316 cable also available (RS316 Series)
CABLE TYPE	END 1 CONNECT	OR	END 2 CONNECTOR
RF316 = RG 316 Cable, Single Braid Shield -01SP1-02RP1 SHOWN			
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	XXXX =	OAL (millimeters)	
-01SP1 = SMA Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		- 02RP1 = MCX Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
-01RP1 = SMA Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact.		-025P1 = MCX Straight Plug (30 μ ^a (0.76 μm) Gold on Center Contact, Gold Flash on Shell) -035P1 = MMCX Straight Plug	
Gold Flash on Shell) -07SP1 = SMB		Straight Plug (30 µ" (0.76 µm) Gold on Center Contact, Gold Flash on Shell)	
Straight Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)		-03RP1 = MMCX Right-angle Plug (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)	
- 07RP1 = SMB Right-angle Plug (30µ ⁺ (0.76 µm)		V3SP1 = MMCXV Straight Plug, High Vibration (30 μ ⁴ (0.76 μm) Gold on Center Contact, Nickel on Shell)	
Gold on Center Contact, Gold Flash on Shell)		-V3RP1 = MMCXV Right-angle Plug, High Vibration	Щ

-V3RP1 = MMCXV -VSRPT = MINCXV
 Right-angle Plug, High Vibration
 (30 μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)

-V3SJ1 = MMCXV

-V3SJT = ΜΜCXV
 Straight Jack, High Vibration
 (30 μ" (0.76 μm) Gold on Center Contact, Nickel on Shell)

High performance 26 AWG

RG 316 coax cable

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

-02SJ1 = MCX

Straight Jack (30 μ" (0.76 μm) Gold on Center Contact, Gold Flash on Shell)

All parts within this catalog are built to Samtec's specifications.

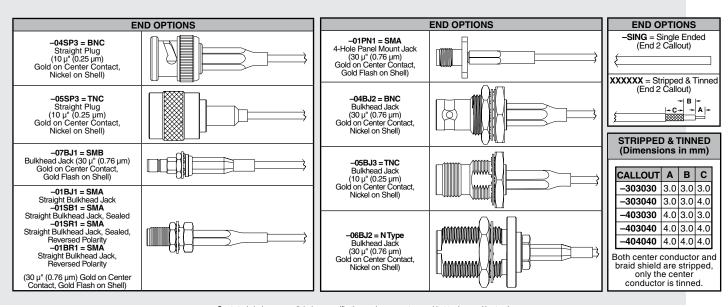
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.





OVERALL LENGTH





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Samtec:

 RF316-01SP1-01SP1-0700
 RF316-01SP1-01SP1-1200
 RF316-05SP3-03RP1-0320
 RF316-V3RP1-01BJ1-0400

 RF316-04SP3-02SP1-0500
 RF316-01SP1-SING-0300
 RF316-01SP1-05BJ3-0200
 RF316-02RP1-SING-0300
 RF316-01SP1-05BJ3-0200

 02RP1-05BJ3-0200
 RF316-01SP1-01SP1-SING-0300
 RF316-01SP1-05BJ3-0200
 RF316-02RP1-SING-0300
 RF316-01SP1-05BJ3-0200