

75Ω 3G OPTIMIZED CABLES RF06T, RFB6T SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF06T or www.samtec.com?RFB6T

RF Connector:

- Outer Contact Material:** Ni plated Brass
- Center Contact Material:** Gold plated Brass
- Insulator Material:** PTFE
- Operating Temperature:** -65°C to +165°C
- Impedance:** 75Ω ± 3Ω (ST)
75Ω ± 4Ω (RA)
- Frequency Range:** 0-6 GHz
- Working Voltage:** 500 Vrms max
- Dielectric Withstanding:** 1500 Vrms min
- Contact Resistance:** Center Contact: 1.5mΩ max
Outer Contact: 0.4mΩ max
- RoHS Compliant:** Yes

RG 6 Cable:

- Impedance:** 75Ω ±3Ω
- Capacitance:** 53 ±3pF/meter
- Max Attenuation (cable only):** 0.2dB @ 1GHz for 1 meter
- Conductor Size:** 18 AWG, (1.02mm) .040" dia.
- Conductor Material:** Bare Copper
- Conductor Resistance:** TBD
- Insulator Diameter:** (4.57mm) .180"
- Insulator Material:** Gas Injected Foamed Polyethylene
- Dielectric Constant:** 1.44
- Shield Material:** Aluminum wire braid over Aluminum foil wrap
- Jacket Material:** PVC
- Jacket Diameter:** (7.00mm) .275"
- Jacket Temp Rating:** -50°C to +90°C
- Jacket Color:** Black
- RoHS Compliant:** Yes

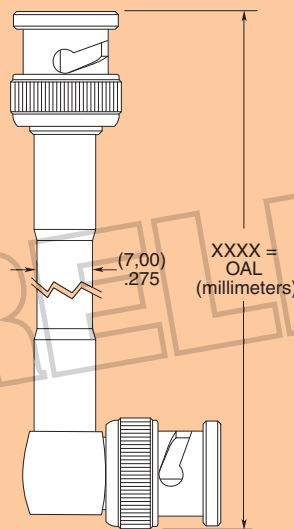
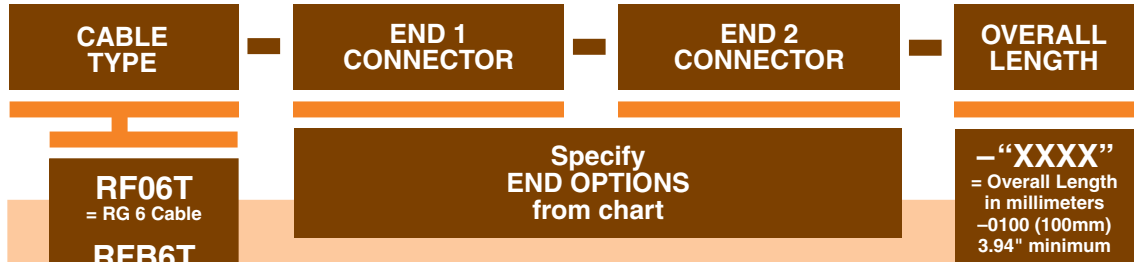
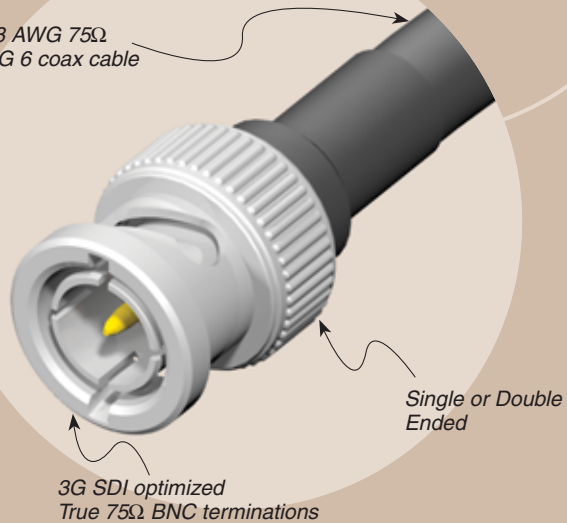
Mates with:
BNC7T



ALSO AVAILABLE

- Connector Kits.
- Additional plating options available. Call Samtec.

18 AWG 75Ω
RG 6 coax cable



RF06T-T4SP3-T4RP3 SHOWN

END OPTIONS	
-T4SP3 = 75Ω BNC, Straight Plug (10μ" (0,25μm) Gold on Center Contact, Nickel on Shell)	
-T4RP3 = 75Ω BNC, Right Angle Plug (10μ" (0,25μm) Gold on Center Contact, Nickel on Shell)	
-SING = Single Ended (End 2 callout)	
-XXXXXX = Stripped & Tinned (End 2 callout) (See chart for callout)	

STRIPPED & TINNED (Dimensions in mm)			
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

Both center conductor and braid shield are Stripped and Tinned. Call Samec for other sizes.

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

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