

75Ω 3G OPTIMIZED CABLES RF6T SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?RF6T

RF Connector:

- Shell Material:** Ni plated Brass
- Contact Material:** Gold plated Brass
- Insulator Material:** PTFE
- Impedance:** 75Ω ±3Ω
- Frequency Range:** 0-6 GHz
- V.S.W.R:** 1.3 max
- 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
- Current Rating:** 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

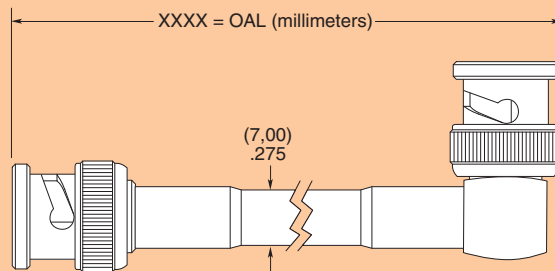
Cable components.
Call Samtec.

18 AWG 75Ω
RG 6 coax cable

3G SDI optimized
True 75Ω BNC terminations

Single or Double
Ended

CABLE TYPE	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
RF6T = RG 6 Cable	Specify END OPTIONS from chart		— "XXXX" = Overall Length in millimeters -0100 (100mm) 3.94" minimum



RF6T-T4SP1-T4RP1 SHOWN

STRIPPED & TINNED CALLOUT

-XX XX XX
A B C
Where XX = length in mm
(0.0mm to 9.9mm)

END OPTIONS

-T4SP1 = 75Ω BNC, Straight Plug	
-T4RP1 = 75Ω BNC, Right Angle Plug	
-SING = Single Ended (End 2 callout)	
-XXXXXX = Stripped & Tinned (End 2 callout) (See chart for callout)	

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

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