

### RG214T

Low Cost

Features: Applications:  
 \* Low Cost \* Telecom  
 \* Applied standard: MIL-C-17 \* Interconnect between equipment

#### Electrical

Frequency: DC~6GHz  
 Impedance: 50Ω  
 Velocity of Propagation: 66%  
 Voltage Withstand: 5000Vrms  
 Working Voltage: 3700Vrms  
 Capacitance: 101.05pF/m

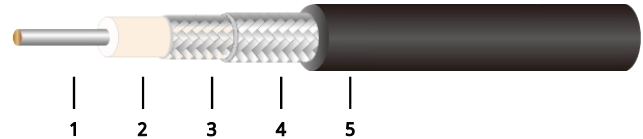
#### Mechanical

Bend Radius: 40mm  
 Weight: 180 g/m  
 RoHS: Compliance Compliant

#### Environmental

Temperature: -25~+80°C

#### Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	2.27	Stranded Silvered Copper
2	Dielectric	7.24	Polyethylene
3	Inner Shield	144*0.15	Tin-plated copper braid
4	Outer Shield	168*0.15	Tin-plated copper braid
5	Jacket	10,8	PVC

#### Attenuation

Frequency (GHz)	0.1	0.2	0.4	0.5	1.0	3	5	6
Attenuation <sup>*1</sup> (dB/100m)	7	10	28	14	24	47	65	73

[1] VSWR:1.0; Ambient: +25°C (77°F)

#### How To Order

##### RG214T-X-Y-Z

X: Frequency in GHz  
 Y: Connector type  
 Z: Length in meters

##### Examples:

To order a RG214T cable assembly, DC-6GHz, SMA male to SMA female, 0.8 meter, specify RG214T-6-SSF-0.8.

##### Connector naming rules:

- S - SMA (6GHz, VSWR 1.3)
- X - MMCX (6GHz, VSWR 1.3)
- M - MCX (6GHz, VSWR 1.3)
- B - BNC (4GHz, VSWR 1.4)
- D - SMB (4GHz, VSWR 1.4)

Female Connector - Add 'F' after connector name

Right Angle - Add 'R' after connector name (VSWR increase 0.1)

**Mating Connector**

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**NCB-MCB-RG214-1**

BNC male, Crimping type  
, brass

**NCB-FCB-RG214-1**

BNC female, Crimping  
type, brass

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