

NEW COMPUTER TECHNOLOGY SYSTEMS (NCTS) LIMITED COMPANY

新计算机科技系统 (NCTS) 有限公司

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COAXIAL CABLE NCTS-RG6

RG6 is used in a wide variety of residential and commercial applications. It has a characteristic impedance of 75 ohms, and it is most used for HDTV, Cable Television and Security Camera Systems. RG-6 cables are also used in professional video applications, carrying either baseband analog video signals or serial digital interface (SDI) signals.

SPECIFICATIONS:

Conductor	BC/Copper Clad Steel(CCS 23%)
Conductor Dia.	Solid 18AWG
Insulation	FPE
Insulation Dia.	4.7 mm
Shield	Aluminium Foil
Braid Shielding	CCA/AL
Braid Coverage Area (%)	60%-100%
Jacket	PVC
Jacket Dia	6.86mm
Colors	Optional
Length& Package	100/200 with PE film Packing
	305m/500m with wooden reel packing

Electrical Characteristics for RG6

Max.DC Inner Conductor Resistance	121 Ohm/km
Max.DC Outer Conductor Resistance	45 Ohm/km
Characteristic Impedance	75 \pm 3 Ω
Nom. Mutual Capacitance	53.15pf/m
Velocity Ratio	82%
Dielectric Strength	1000 vac
Min. Insulation Resistance	10000 MOhms*km
Operating Voltage	300V

Coaxial cable signal (Attenuation) Loss per 100 ft

Frequency(MHz)	Max.Attenuation(db/100ft)
1 MHz	0.2db
10 MHz	0.6db
50MHz	1.4db
100 MHz	2.0db
200 MHz	2.8db
400MHz	4.3db
700 MHz	5.6db
900 MHz	6.0db
1000MHz	6.1db