



Composite/Home Control Cables: 1 Quad + 1 CAT5e

Coax	Central Conductor / Resistance to c.d.	Insulation Diameter (inches)	Overall Diameter (inches)	Braid Coverage / Resistance to c.d.	Impedance Ω	Capacitance/ Propagation Speed	Attenuation	
							MHz	dB/100 m
RG-6	0.40	0.180 (4.7)	0.295 (7.5)	1st 60%	75+/-3	55.7pF/m	55	5.3
	18 (AWG)			2nd 40%			211	10.0
	99.5: /km			35.6: /km			300	11.6
							450	14.4
							550	16.1
							750	18.4
					1000	21.5		

Data	Jacket Thickness (inches) (mm)	Overall Diameter (inches) (mm)	Conductor Gauge Resistance to c.d.	Impedance Ω	Mutual Capacitance pF/ ft. (pF/m)	Properties in 100 m (328 ft.)		
						Frequency MHz	Attenuation dB	PSNEXT dB
CAT5e	0.020	0.185	24 AWG	100 +/-15	14	4	4.1	53
	(0.520)	(4.7)	90.5: /km	from 1 to 100 MHz	(45.9)	10	6.5	47
						16	8.2	44
						31.25	11.7	39
						62.5	17.0	35
						100	22.0	32

All values are nominal and subject to correction

Application:

Residential Cabling with structured design for voice, data, video & any other high speed application.

One Coaxial Cables CATV RG 6/U:

- 18 AWG CCS central conductor
- Gas injected foam polyethylene insulation-Quad-shield, 2 aluminum braid plus 2 foil layers
- PVC jackets, one black and the other white

One four-pair CAT5e Cables:

- Solid copper conductors
- Polyethylene insulation
- Twisted & cabled pairs
- PVC jackets, one white and the other blue

Outside Jacket:

- A flame retardant PVC jacket 0.035" thick protects all the elements
- Overall diameter of cable is 0.748"

Standards:

SCTE, ANSI/EIA/TIA 568 A
 ANSI/ICEA S83-596
 ISO-9001: Quality assurance system
 UL Flame performance
 ETL: UTP category
 Packaging: Wooden reels with a standard length of 500 ft.

1-800-945-5542