

Composite/Home Control Cables: 2 Quads + 2 CAT5e

RGSMART CABLE 2xRG6/Quad Shield + 2xCAT5e COMPOSITE

1) Description

2x RG6/Quad 18AWG coaxial cables, solid CCS conductors
 2x 4-pair CAT5e cable, solid copper conductors
 Flame retardant PVC jacket
 UL or ETL Listed – CM Rated

2) Physical Dimensions

2xRG6/Quad Shield

1. Center Conductor:-----18AWG 1.02±0.0102mm Bare CCS
2. Dielectric:----- 4.57±0.13mm Foam PE
3. First shield: ----- Bonded AL foils
Average core dia.: ----- 4.78±0.13mm
4. Second shield: ----- 60% AL Braiding
5. Third shield:----- AL Foil
6. Fourth shield: -----40% AL Braiding
7. Outer Jacket: ----- Flame Retardant PVC.
8. Jacket O.D.:----- 7.54±0.13mm

2xCAT5e

1. Conductors:-----24AWG Solid Bare Copper
2. Insulation:----- HDPE
3. Insulation O.D.:-----0.92±0.01mm
4. Color Code ----- White/Blue, White/Orange,
White/Green, White/Brown
5. Jacket: -----0.55mm Flame Retardant PVC
6. Jacket O.D.:-----5.10±0.10mm

Composite Cable

1. Outer Jacket:----- 0.80~0.85mm Flame Retardant PVC
2. Cable O.D.:-----16.80mm(0.661")



3) Electrical Characteristics of RG6 QUAD

RG6 QUAD Impedance: -----75±3Ω
 RG6 QUAD Capacitance: -----52±3 pF/m
 RG6 QUAD Velocity of Propagation: -----81%

4) RG6 QUAD Attenuation

Attenuation	@68°F. (20°C)
Frequency (MHz)	Max. (dB/100m)
55	5.3
211	10
300	11.6
450	14.4
550	16.1
750	18.4
1000	21.5

5)Electrical Characteristics of CAT5e:

Frequency MHz	Attenuation dB (100m)	PSNEXT dB (100m)
4	4.1	53
10	6.5	47
16	8.2	44
31.25	11.7	39
62.5	17	35
100	22	32

6) Cable Marking:

RGSMARTCABLEBU MULTIMEDIA CABLE 2 RG6/U 18AWG QUAD 60%+40% AL BRAIDING 3.0 GHZ AND 2 UTP CAT5E 350MHZ 24AWG (UL) OR C(UL) Exxxxxx CM PRIORITY WIRE <Year><Footage>

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