

**CATV  
COAXIAL  
CABLE**

**CATV network distribution:**

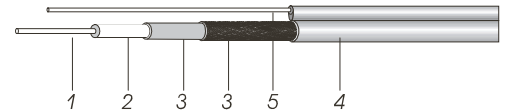
- Providing reliable transmission and anti-noise effects for double way network.
- With physical foaming dielectric preventing penetration of water and gas.
- Special braiding design with excellent engineering performance.
- Stable property and long service life.

# RG6 SM CATV Coaxial Cable



**Construction Specification**

	Material	Diameter (mm)
1. Inner Conductor	Solid Copper or Copper Clad Aluminum	1,02
2. Dielectric	Physical Foam Polyethylene	4,57
3. Outer Conductor	Bonded Aluminum Foil + Aluminum Braid	5,40
4. Jacket	PVC or Polyethylene	6,91
5. Messenger	Steel	1,30



**Attenuation and Avg. Power (20°C)**

Frequency (MHz)	Attenuation (dB/100m)
5	1,90
55	5,25
211	10,00
250	10,82
300	11,64
350	12,63
400	13,61
450	14,43
550	16,08
750	18,54
865	20,01
1.000	21,49
1.200	23,59
1.450	25,92
1.750	28,70
2.150	31,82

**SPECIFICATIONS**

**ELECTRICAL CHARACTERISTICS**

- Capacitance:** 53 pF/m
- Impedance:** 75 ohm
- Velocity:** 85%
- Inner Conductor DC Resistance:** 21 ohm/km
- Outer Conductor DC Resistance:** 40 ohm/km
- Loop Conductor DC Resistance:** 61 ohm/km
- Shielding Effectiveness:** >70 dB

**MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS**

- Min. Bend Radius:** 35 mm
- Operating Temp.:** -20 – 80°C/40 – 80°C
- Min. Braiding Strength of Messenger:** 82 kgf
- Return loss (≥ dB)
- VHF: 20
- UHF: 20

PART NO.	DESCRIPTION
39006020	RG6 SM CATV Coaxial Cable