



Technical Specification of RG59 S 95% Jelly PE Coaxial Cable

1. Basic Information

- **Model:** RG59 S
- **Category:** Coaxial Cable
- **Impedance:** $75 \pm 3 \Omega$
- **Certifications:** UL, ETL, CE, RoHS, CPR, ISO 9001:2015, SABS, EN 50575
- **Length Options:** 100m, 305m, 500m, 1000m, 500ft, 1000ft
- **Packaging:** Roll, wooden spool, carton, pallet, pull box, plastic spool (customizable based on inquiry)

2. Construction Parameters

Component	Specification
Inner Conductor	0.032"/0.81mm/20 AWG CCS (Copper-Clad Steel)
Dielectric	0.144"/3.66mm Foamed PE (Polyethylene)
Shield 1	0.151"/3.84mm Bonded Aluminum PET
Shield 2	Aluminum Braid Wire with 95% Coverage
Jacket	0.240"±0.006"/6.10±0.15m m Jelly PE
Jacket Thickness	0.032"/0.81mm
Cable Diameter	0.240"±0.006"/6.10±0.15m m



3. Application

Designed for use in longer CATV (Cable Television) run lengths.

4. Electrical Characteristics (20°C)

Parameter	Specification
Inner Conductor Resistance	Max. < 133.9Ω/km / 40.85Ω/1000ft
Capacitance	52 ± 3 pF/m / 15.8 ± 1 pF/ft
Impedance	75 ± 3 Ω
Return Loss	> 22 dB (Frequency range: 5 - 1000 MHz)
Velocity of Propagation	0.85
Sparker Test (VAC)	4 kV

5. Mechanical and Environmental Properties

Parameter	Specification
Cable Bend Radius	10 times the cable diameter
Operating Temperature Range	-20°C to 60°C / -40°C to 80°C

6. Attenuation (20°C)

Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
5	0.86	2.82
55	2.05	6.73



83	2.45	8.04
187	3.60	11.81
211	3.80	12.47
250	4.10	13.45
300	4.45	14.60
350	4.80	15.75
400	5.10	16.73
450	5.40	17.72
500	5.70	18.70
550	5.95	19.52
600	6.20	20.34
750	6.97	22.87
865	7.52	24.67
1000	8.12	26.64

7. Marking

RG59 S 95% Jelly PE CATV COAXIAL CABLE 7100102 ***M/FT (length marked according to actual order)