

RG59B/U, 75 Ohm Coaxial Cable

1. CONSTRUCTION

CENTER CONDUCTOR: 23AWG COPPER CLAD STEEL (CCS)
NOMINAL DIAMETER: 0.57mm (0.022")

DIELECTRIC: SOLID POLYETHYLENE (SOLID PE)
NOMINAL DIAMETER OVER DIELECTRIC: 3.70mm (0.146")

SHIELD: 128*0.12mm, 90% BARE COPPER WIRE BRAID
NOMINAL DIAMETER OVER BRAID: 4.18mm (0.165")

JACKET: LSZH Green RAL6029
NOMINAL DIAMETER OVER JACKET: 6.05mm (0.238")
NOMINAL JACKET THICKNESS: 0.93mm (0.037")



2. ATTENUATION

Attenuation	[@68° F. (20° C.)]	
Frequency (MHz)	Maximum (dB /100 ft.)	Maximum (dB /100 m)
5	0.76	2.5
10	1.07	3.3
50	2.38	7.8
100	3.36	11.0
200	4.91	16.1
500	8.05	26.4
700	9.70	31.8
1000	11.93	39.1

3. ELECTRICAL CHARACTERISTICS

IMPEDANCE: $75 \pm 3 \Omega$

VELOCITY OF PROPAGATION: 82%

CAPACITANCE: 72 ± 3 pF/M

DCR OF INNER CONDUCTOR: $210 \Omega/\text{KM}$

DCR OF OUTER CONDUCTOR: $13 \Omega/\text{KM}$