

TECHNICAL DATA SHEET

RG59U, 75 Ohm Coaxial Cable, for CCTV systems

1. CONSTRUCTION

CENTER CONDUCTOR: 20 AWG SOLID BARE COPPER
NOMINAL DIAMETER: 0.81mm (0.032")

DIELECTRIC: GAS EXPANDED POLYETHYLENE (FOAM PE)
NOMINAL DIAMETER OVER DIELECTRIC: 3.66mm (0.144")

SHIELD: BARE COPPER WIRE BRAID, 85% COVERAGE
NOMINAL DIAMETER OVER SHIELD: 4.14mm (0.163")

JACKET: PVC
NOMINAL DIAMETER OVER JACKET: 6.10mm (0.240")
NOMINAL JACKET THICKNESS: 0.90mm (0.035")



2. ATTENUATION

Attenuation	[@68° F. (20° C.)]	
Frequency (MHz)	Maximum (dB /100 ft.)	Maximum (dB /100 m)
1	0.30	0.98
10	0.84	2.75
50	1.88	6.16
100	2.71	8.89
200	3.94	12.92
400	5.85	19.18
700	8.42	27.61
900	9.83	32.23
1000	10.20	33.44

3. ELECTRICAL CHARACTERISTICS

IMPEDANCE: 75 ± 3 Ohm

VELOCITY OF PROPAGATION: 82%

CAPACITANCE: 54 ± 3 pF/M

SPARKER TEST: 4000 VAC

DCR CENTER CONDUCTOR: 34 Ohm/Km

DCR SHIELD: 15 Ohm/Km

SRL: Min. 20dB

4. APPROVAL

