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## RG59U CCTV COAXIAL CABLE

### 1. CONSTRUCTION

CENTER CONDUCTOR:	20 AWG SOLID COPPER NOMINAL DIAMETER: 0.81mm ( 0.032")
DIELECTRIC:	GAS EXPANDED POLYETHYLENE (FOAM PE) NOMINAL DIAMETER OVER DIELECTRIC: 3.66mm (0.144")
SHIELD:	144X36 AWG BARE COPPER WIRE BRAID, 95% COVERAGE NOMINAL DIAMETER OVER SHIELD: 4.14mm (0.163")
JACKET:	FR-PVC JACKET NOMINAL DIAMETER OVER JACKET: 6.10mm (0.240") NOMINAL JACKET THICKNESS: 0.90mm (0.035")



### 2. ATTENUATION

Attenuation	[ @68° F. (20° C.) ]	
	Maximum (dB /100 ft.)	Maximum (dB /100 m)
Frequency (MHz)		
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:	10.5 Ohm/1000Ft
SHIELD:	2.7 Ohm/1000Ft
SRL:	20dB (10 thru 300MHz) 100% Swept Tested

### 4. APPROVAL



UL Listed: CMX, CM, CMR