
RG59U CCTV SIAMESE COAXIAL CABLE

1. CONSTRUCTION

CENTER CONDUCTOR:	20 AWG SOLID COPPER NOMINAL DIAMETER: 0.81mm (0.032")
POWER CABLE CONDUCTORS:	18 AWG (7X0.152") BARE COPPER
DIELECTRIC:	(COAX) GAS EXPANDED POLYETHYLENE (FOAM PE) NOMINAL DIAMETER OVER DIELECTRIC: 3.66mm (0.144") (18 AWG) SOLID FR-PVC NOMINAL DIAMETER OVER INSULATION: 1.70mm(0.067")
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")(COAX) NOMINAL DIAMETER OVER JACKET: 5.13mm (0.202")(2-18AWG) NOMINAL JACKET THICKNESS: 0.90mm (0.035")



2. ATTENUATION

Attenuation	[@68° F. (20° C.)]	
	Frequency (MHz)	Maximum (dB /100 ft.)
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:	
COAX CENTER CONDUCTOR:	10.5 Ohm/1000Ft
COAX SHIELD:	2.7 Ohm/1000Ft
18 AWG STRAND:	6.8 Ohm/1000Ft
SRL:	20dB (10 thru 300MHz) 100% Swept Tested

4. APPROVAL



UL Listed: CMX, CM, CMR