

Detailed Technical Specifications – CCTV Cables

TABLE 6 TECHNICAL SPECIFICATIONS FOR CCTV CABLES			
Construction Parameters : Co-axial RG 59		Performance	
Inner Conductor		Frequency in MHz	Max. Attenuation (db/100m) at 20°C
Material	Solid Bare Copper	55	6.73
Diameter in mm (Nom)	0.80 (20AWG)	187	11.81
Dielectric		300	14.60
Material	Gas Injected Physical Foam Polythene	550	19.52
Diameter in mm (Nom)	3.6	750	22.87
Shield		865	24.67
Material	AL Foil + ALMG	1000	26.64
Coverage in %	63		
Jacket		3 Cores	
Material	PVC Black	Conductor	16.x0.20 Bare annealed Copper
Diameter in mm (Nom)	5.6	Insulation	Type A PVC conforming to IS:5831
Electrical Specifications		Diameter in mm (Nom)	2.00
Nominal DC Resistance at 20°C (Ohm)	3.55	Colour Codes	Red , Yellow, Blue

Mutual Capacitance (pf/m)	53	Jacket (Over all)	ST 1 PVC conforming to IS:5831
Characteristics Impedance (Ohm)	75	Overall Diameter in mm	9.5
Structural Return Loss	Min 15 dB @ 1 - 1000 MHz		
Nominal Velocity Ratio (%)	85		