

**CCTV500B**  
**RG6 Shield 95%**  
**Black Jacket**

**DIMENSIONS AND CONSTRUCTION:**

**CENTER CONDUCTOR:**

Copper covered Steel 30%  
 Diameter 1.02 mm.

**DIELECTRIC:**

Foam PE Dielectric Diameter 4.57 mm.

**OUTER CONDUCTOR FOIL (SHIELD):**

Aluminum Polypropylene Aluminum tape  
 With overlap around dielectric with 100%  
 coverage of dielectric Diameter 4.75 mm.

**BRAID (SHIELD):**

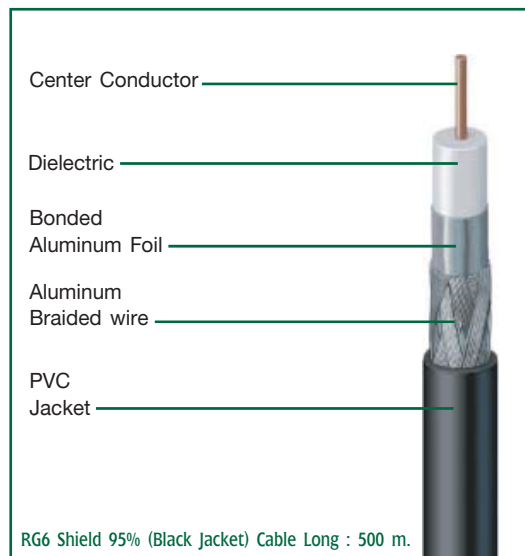
Aluminum alloy braided wire  
 34 AWG with coverage 95%

**JACKET:**

Polyvinylchloride Polyethylene with suitable pigment  
 and antioxidants to protect the insulating material from  
 environment and ultraviolet deterioration Diameter 6.91 mm.  
 Color Black

**PRINTING:**

dBy CCTV WORLD STANDARD COAXIAL CABLE 500 m.  
 (with meter mark)



**ATTENUATOR (68 Degrees F (20 Degree C))**

Frequency MHz	dB/100 ft.	dB/100 m.
5 MHz	0.58 dB	1.90 dB
55 MHz	1.60 dB	5.25 dB
211 MHz	3.05 dB	10.00 dB
250 MHz	3.30 dB	10.82 dB
350 MHz	3.85 dB	12.63 dB
400 MHz	4.15 dB	13.61 dB
450 MHz	4.40 dB	14.43 dB
500 MHz	4.66 dB	15.09 dB
550 MHz	4.90 dB	16.08 dB
600 MHz	5.10 dB	16.73 dB
750 MHz	5.65 dB	18.54 dB
865 MHz	6.10 dB	20.01 dB
1000 MHz	6.55 dB	21.49 dB
1200 MHz	7.29 dB	23.89 dB
1450 MHz	8.02 dB	26.30 dB
1750 MHz	8.88 dB	29.13 dB
2040 MHz	10.35 dB	33.94 dB

**ELECTRIC PERFORMANCE:**

Nominal Impedance	75 Ohm.
Nominal Capacitance	53 pF/m.
Nominal Velocity of Propagation	85%
Screening Efficiency	30-900 MHz. >85 dB. 900-2200 MHz. >85 dB.
Structural Return Loss	5-470 MHz. >25 dB. 470-860 MHz. >22 dB. 860-2200 MHz. >18 dB.
Loop Resistance (outer conductor)	12 Ohms per 100 meters
Center Resistance (Core conductor)	10 Ohms per 100 meters

