

MK-FOUR RG 59/U COAXIAL CABLE – BM6 SERIES



APPLICATION

- Ideal wiring for CATV, satellite dish and TV antenna connections
- Use this 75 Ohms baseband RG 59 coaxial cable for connecting closed circuit cameras and distributing analog video and RF- modulated CATV signals
- Bare copper conductor provides superb signaling for transmitting clear images without distortion or loss
- 80% shielding minimizes outside interference caused by nearby machinery or other sources of electronic noise

INDUSTRY STANDARD

- Reference standard : UL444, UL13, UL 1665
- UL Certified : File No. E315483

SPECIFICATIONS

Part No.	BM6-BC-9100B, BM6-BC-9300B, BM6-BC-9500B
Physical Characteristics	
Conductor	BC - Bare Copper 0.81mm (20 AWG)
Stranding	Solid
Insulation	
Insulation Material	3.68mm Gas-injected FPE - Foam Polyethylene
Outer Shield	
Outer Shield Material	Aluminium Mylar (100%) Aluminium Braid (67%)
Outer Jacket	
Outer Jacket Material	PVC - Polyvinyl Chloride
Jacket Color	Black
Outer Jacket Nom. Thickness	0.81mm
Overall Nominal Diameter	6.10mm
Overall Cabling	
Overall Nominal Diameter	6.15mm ± 0.03mm
Mechanical Characteristics	
Operating Temperature Range	-30°C to +75°C (-86°F to +167°F)
UL Temperature Rating	+75°C (+167°F)
Min. Bend Radius (Install)/ Minor Axis	63.5mm
Electrical Characteristics	
Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	0.107 µH/ 0.3m
Nom. Capacitance Conductor to Shield	16.300 pF/ 0.3m
Nominal Velocity of Propagation	83%
Nominal Delay	1.220 ns/ 0.3m
Nom. Conductor DC Resistance	10.000 DCR at 20°C (Ohm/ 300m)
Nominal Outer Shield DC Resistance	3.800 DCR at 20°C (Ohm/ 300m)

Nom. Attenuation at 20°C			
For CATV		For Satellite	
Frequency (MHz)	Attenuation (dB/ 100m)	Frequency (MHz)	Attenuation (dB/ 100m)
5.000	2.82	1.000	1.15
55.000	6.73	10.000	3.61
83.000	8.04	50.000	5.70
187.000	11.81	100.000	8.20
211.000	12.47	200.000	11.61
250.000	13.45	400.000	16.37
300.000	14.60	700.000	22.13
350.000	15.75	900.000	27.37
400.000	16.37	1000.000	28.85
450.000	17.72	1200.000	31.61
500.000	18.70	1450.000	34.78
550.000	19.52	1800.000	38.72
600.000	20.34	2200.000	42.78
750.000	22.87		
865.000	24.67		
1000.000	26.64		
Max. Operating Voltage - UL		300V RMS	
Other Electrical Characteristics 1		Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohms fixed bridge and termination 75 ± 1.5 Ohms	
Other Electrical Characteristics 2		Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohms fixed bridge and termination	
Sweep Testing		100% Sweep tested 5.0 MHz to 2.2 GHz	
Packing		100m / Roll 300m / Reel 500m / Reel	