

# MK-FOUR RG 6/U COAXIAL CABLE – BM6 SERIES



## APPLICATION

- Ideal wiring for CATV, satellite dish and TV antenna connections
- For cabling cameras and other closed circuit devices in long (1,000ft/ 305m) cable runs with less loss than RG 59 cable

## INDUSTRY STANDARD

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

## SPECIFICATIONS

<b>Part No.</b>	<b>BM6-BC-6100W, BM6-BC-6300W, BM6-BC-6300B, BM6-BC-6500B</b>			
<b>Physical Characteristics</b>				
Conductor	BC - Bare Copper 1.02mm (18AWG)			
Stranding	Solid			
<b>Insulation</b>				
Insulation Material	4.57mm Gas-injected FPE - Foam Polyethylene			
<b>Outer Shield</b>				
Outer Shield Material	Aluminium Mylar (100%) Aluminium Braid (60%)			
<b>Outer Jacket</b>				
Outer Jacket Material	PVC - Polyvinyl Chloride			
Jacket Color	Black or White			
Outer Jacket Nom. Thickness	0.75mm			
Overall Nominal Diameter	6.90mm			
<b>Overall Cabling</b>				
Overall Nominal Diameter	6.95mm ± 0.03mm			
<b>Mechanical Characteristics</b>				
Operating Temperature Range	-30°C to +75°C (-86°F to +167°F)			
UL Temperature Rating	+75°C (+167°F)			
Bulk Cable Weight	35 kg			
Max. Recommended Pulling Tension	30 kN			
Min. Bend Radius (Install)	69.90mm			
<b>Electrical Characteristics</b>				
Nom. Characteristic Impedance	75 ± 3 Ohms			
Nom. Inductance	0.097 µH/ 0.3m			
Nom. Capacitance Conductor to Shield	16.200 pF/ 0.3m			
Nominal Velocity of Propagation	82%			
Nominal Delay	1.240 ns/ 0.3m			
Nom. Conductor DC Resistance	28.00 DCR at 20°C (Ohm/ 300m)			
Nominal Outer Shield DC Resistance	9.000 DCR at 20°C (Ohm/ 300m)			
<b>Nom. Attenuation at 20°C</b>				
	<b>For CATV</b>		<b>For Satellite</b>	
<b>Frequency (MHz)</b>	<b>Attenuation (dB/ 100m)</b>		<b>Frequency (MHz)</b>	<b>Attenuation (dB/ 100m)</b>
5.000	1.90		1.000	0.82
55.000	5.25		10.000	2.30
83.000	6.40		50.000	4.60
187.000	9.35		100.000	6.40
211.000	10.00		200.000	8.96
250.000	10.82		400.000	13.00
300.000	11.64		800.000	19.00
350.000	12.63		862.000	19.80
400.000	13.61		1000.000	21.20
450.000	14.43		1350.000	24.50
500.000	15.09		1450.000	25.50
550.000	16.08		1750.000	28.60
600.000	16.73		2250.000	32.80
750.000	18.54		3000.000	40.50
865.000	20.01			
1000.000	21.49			
Max. Operating Voltage - UL	300V RMS			
Sweep Testing	100% Sweep tested 5.0 MHz to 3.0 GHz			
<b>Packing</b>	100m / Roll 300m / Reel 500m / Reel			