

MK-FOUR RG 59/U COAXIAL CABLE – BM5 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
- 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.	BM5-CS-9100B, BM5-CS-9300B	
Physical Characteristics		
Conductor	BCCS - Bare Copper Covered Steel 0.81mm (20AWG)	
Stranding	Solid	
Insulation		
Insulation Material	3.658mm 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	
Overall Cabling		
Overall Nominal Diameter	6.01mm ± 0.03mm	
Mechanical Characteristics		
Operating Temperature Range	-40°C to +80°C (-104°F to +176°F)	
Min. Bend Radius (Install)	50mm	
Electrical Characteristics		
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	83%	
Nominal Delay	1.200 ns/ 0.3m	
Nom. Conductor DC Resistance	44.500 DCR at 20°C (Ohm/ 300m)	
Nominal Outer Shield DC Resistance	12.000 DCR at 20°C (Ohm/ 300m)	
Max. Attenuation		
Frequency (MHz)	Attenuation (dB/ 100ft.)	Attenuation (dB/ 100m)
5.000	0.820	2.69
55.000	1.630	5.35
211.000	3.120	10.23
270.000	3.540	11.611
300.000	3.780	12.40
350.000	3.930	12.89
400.000	4.320	14.17
450.000	4.620	15.15
550.000	5.140	16.86
750.000	6.160	20.20
870.000	6.620	21.71
1000.000	7.190	23.58
Max. Operating Voltage - UL	300V RMS	
Minimum Structural Return Loss		
Frequency (MHz)	Min. SRL (dB)	
5.000	20.000	
Sweep Testing	5 MHz – 1 GHz	
Packing	100m / Roll 300m / Reel	