

MK-FOUR RG 59/U COAXIAL CABLE – BM7 SERIES



APPLICATION

- Ideal wiring for flexible application such as Interconnection CCTV cameras with pan and tilt capabilities, remote camera hook-up where the coaxial cable constantly being spooled and despoiled from the reel or lift application.
- Use this 75 Ohms baseband RG 59 coax 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
- 95% 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.	BM7-BC-9300F
Physical Characteristics	
Conductor	BC - Bare Copper 0.76mm (22 AWG)
Stranding	7 x 0.25mm (30AWG)
Insulation	
Insulation Material	3.68mm Gas-injected FPE - Foam Polyethylene
Outer Shield	
Outer Shield Material	BC Braid (95%) Shield coverage
Outer Jacket	
Outer Jacket Material	PVC - Polyvinyl Chloride
Jacket Color	Black
Overall Cabling	
Overall Nominal Diameter	5.91mm ± 0.03mm
Mechanical Characteristics	
Operating Temperature Range	-30°C to + 60°C (-86°F to +140°F)
UL Temperature Rating	+60°C (+140°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	78%
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		
Frequency (MHz)	Attenuation (dB/ 100ft.)	Attenuation (dB/ 100m)
1.000	0.310	1.01
3.600	0.600	1.96
5.000	0.630	2.07
7.000	0.740	2.42
10.000	0.900	2.95
67.500	2.060	6.75
71.500	2.100	6.88
88.500	2.230	7.31
100.000	2.310	7.51
135.000	2.760	9.05
143.000	2.810	9.21
180.000	3.120	10.23
270.000	3.850	12.62
360.000	4.420	14.49
540.000	5.630	18.46
720.000	6.700	21.97
750.000	6.800	22.30
1000.000	7.800	25.58
1500.000	9.460	31.02
2000.000	11.000	36.08
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 MHz to 2 GHz	
Packing	300m / Reel	