

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



## APPLICATION

- Ideal wiring for CATV, satellite dish and TV antenna outdoor 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-6300JB</b>   |                               |
| <b>Physical Characteristics</b>      |  |                               |
| Conductor                            | BC - Bare Copper<br>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 Foil (100%)<br>Aluminium Mylar Braid (60%)<br>Jelly Filled |                               |
| <b>Outer Jacket</b>                  |  |                               |
| Outer Jacket Material                | MDPE – Medium Density Polyethylene                                   |                               |
| Jacket Color                         | Black  |                               |
| <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</b>              |  |                               |
| <b>Frequency (MHz)</b>               | <b>Attenuation (dB/ 100ft.)</b>                                      | <b>Attenuation (dB/ 100m)</b> |
| 1.000                                | 0.24   | 0.74                          |
| 5.000                                | 0.56   | 1.83                          |
| 7.000                                | 0.66   | 2.16                          |
| 10.000                               | 0.74   | 2.42                          |
| 88.500                               | 1.78   | 5.83                          |
| 100.000                              | 1.86   | 6.10                          |
| 135.000                              | 2.16   | 7.08                          |
| 143.000                              | 2.20   | 7.21                          |
| 180.000                              | 2.45   | 8.03                          |
| 270.000                              | 3.10   | 10.16                         |
| 360.000                              | 3.47   | 11.38                         |
| 540.000                              | 4.35   | 14.26                         |
| 720.000                              | 5.12   | 16.79                         |
| 750.000                              | 5.23   | 17.15                         |
| 1000.000                             | 5.93   | 19.45                         |
| 1500.000                             | 7.37   | 24.17                         |
| 2000.000                             | 8.63   | 28.30                         |
| 2250.000                             | 9.30   | 30.50                         |
| 3000.000                             | 11.72  | 38.44                         |
| Max. Operating Voltage - UL          | 300V RMS   |                               |
| <b>Packing</b>                       | 300m / Reel  |                               |