



# RG6 COAXIAL CABLE

## SPECIFICATION

CONDUCTOR Ømm. DIELECTRIC Ømm. SHIELDS TAPE 100% COVERAGE BRAID WIRE Ømm. COVERAGE JACKET Ømm. MESSENGER Ømm. SCREENING FACTOR AT DCR (Ohm) CONDUCTOR(Kil/Km) SHIELD(Kil/Km)

### INDOOR



Bare Copper 1.02 Foamed Polyethylene 4.80 AL/P-Foil (Bonded) Bare Copper 0.12 x 168 95 % PVC 6.80 - 1-1000 MHz 55 dB 6.7 / 22 2 / 6.6

**CB-0108**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 112 95 % PVC 6.86 - VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109S**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 64 60 % PVC 6.86 - VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109**

### OUTDOOR



Bare Copper 1.02 Foamed Polyethylene 4.80 AL/P-Foil (Bonded) Bare Copper 0.12 x 168 95 % PE 6.80 - 1-1000 MHz 55 dB 6.7 / 22 2 / 6.6

**CB-0108P**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 112 95 % PE 6.86 - VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109SP**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 64 60 % PE 6.86 - VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109P**

### OUTDOOR with Messenger Wire



Bare Copper 1.02 Foamed Polyethylene 4.80 AL/P-Foil (Bonded) Bare Copper 0.12 x 168 95 % PE 6.80 (9.10) 1.30 Steel 2.30 PE 1-1000 MHz 55 dB 6.7 / 22 2 / 6.6

**CB-0108M**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 112 95 % PE 6.86 (9.16) 1.30 Steel 2.30 PE VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109SM**



Copper Cover Steel 1.02 Foamed Polyethylene 4.57 AL/P-Foil (Bonded) Aluminum 0.16 x 64 60 % PE 6.86 (9.16) 1.30 Steel 2.30 PE VHF 80 dB UHF 75 dB 29 / 98 9.8 / 32

**CB-0109M**

### FOR SECURITY, CCTV, CATV, MATV, TV Cable

Attenuation max.	CB-0108 Series MIL Grade		CB-0109 Series	
	dB/100m	dB/100ft	dB/100m	dB/100ft
1 MHz	0.62	0.19	-	-
5 MHz	-	-	1.60	0.49
10 MHz	2.14	0.65	-	-
50 MHz	-	-	4.60	1.40
100 MHz	6.69	2.04	6.50	1.98
200 MHz	-	-	9.50	2.90
400 MHz	14.93	4.55	-	-
460 MHz	-	-	5.00	4.60
700 MHz	20.43	6.23	-	-
860 MHz	-	-	19.50	5.90
900 MHz	23.71	7.23	-	-
1000 MHz	25.42	7.75	21.50	6.55
1750 MHz	-	-	29.00	8.84
2150 MHz	-	-	32.50	9.90
2200 MHz	-	-	33.00	10.00
3000 MHz	-	-	39.00	11.90

	CB-0108 Series MIL Grade	CB-0109 Series
<b>Return loss</b>		
5 - 470 MHz	> 20.00 dB	> 25.00 dB
470 - 1000 MHz	> 18.00 dB	> 23.00 dB
1000 - 2000 MHz	-	> 20.00 dB
<b>Impedance</b>	75 Ohm	75 Ohm
<b>Capacitance</b>	52 pF ± 3/m	52 pF ± 3/m
<b>Velocity ratio</b>	82 %	82 %
<b>Bending Minimum Bending Radius</b>		
Loaded	20 Times Cable OD	20 Times Cable OD
Unloaded	10 Times Cable OD	10 Times Cable OD
<b>Tensile strength</b>		
Maximum Pulling Tension	126 LBS	126 LBS
<b>Temperature</b>		
Operation	-20 °C to 75 °C	-20 °C to 75 °C
Installation	0 °C to 60 °C	0 °C to 60 °C
<b>Sparker</b>	VAC 4000	VAC 4000
<b>Dielectric Strength</b>	VAC 2500	VAC 2500

