



RG59 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(Kft/Km) SHIELD(Kft/Km)
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INDOOR



CB-0104

Bare Copper 0.813	Foamed Polyethylene 3.80	-	Bare Copper 0.11 x 144	95 %	PVC 6.00	-	1-1000 MHz 55 dB	10.5 / 34.4	2.7 / 8.9
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CB-0105

Copper Cover Steel 0.813	Foamed Polyethylene 3.66	AL/P-Foil (Bonded)	Aluminum 0.12 x 128	90 %	PVC 6.10	-	VHF 80 dB UHF 75 dB	47 / 154	6.83 / 22.4
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FOR SECURITY, CCTV, CATV, MATV, TV Cable

CB-0104 Series MIL Grade

CB-0105 Series

Attenuation max.	dB/100m	dB/100ft	dB/100m	dB/100ft
1 MHz	0.78	0.24	1.52	0.46
10 MHz	2.67	0.81	2.71	0.83
50 MHz	-	-	5.78	1.76
100 MHz	8.86	2.70	7.78	2.40
200 MHz	-	-	10.80	3.30
400 MHz	18.66	5.69	-	-
700 MHz	25.54	7.79	22.80	6.94
900 MHz	29.73	9.06	26.10	7.96
1000 MHz	30.96	9.44	27.60	8.40
1200 MHz	-	-	30.30	9.26
1800 MHz	-	-	38.00	11.60
2200 MHz	-	-	42.00	12.90

Return loss

5 - 470 MHz	> 20.00 dB	> 25.00 dB
470 - 1000 MHz	> 18.00 dB	> 23.00 dB
1000 - 2000 MHz	-	> 20.00 dB

Impedance	75 Ohm	75 Ohm
Capacitance	52 pF ± 3/m	52 pF ± 3/m
Velocity ratio	82 %	82 %

Bending Minimum Bending Radius

Loaded	20 Times Cable OD	20 Times Cable OD
Unloaded	10 Times Cable OD	10 Times Cable OD

Tensile strength

Maximum Pulling Tension	126 LBS	126 LBS
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Temperature

Operation	-20 °C to 75 °C	-20 °C to 75 °C
Installation	0 °C to 60 °C	0 °C to 60 °C

Sparker	VAC 4000	VAC 4000
Dielectric Strength	VAC 2500	VAC 2500

