



**RADIO FREQUENCY
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"Simply The Best"

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ALBERTON

1450

RFi CABLE RG213/U MIL-C-17F 50 OHM



RG213 (MIL-C17-F) COAXIAL CABLE

RFi ORDER CODE : RG213

CABLE SPECIFICATIONS

RF SPECIFICATIONS

Max. Frequency	=	1GHz
Velocity Factor	=	66%
Maximum Operating Voltage (RMS)	=	5000 Volts
Peak Power	=	5kV RMS (At Sea Level)
Impedance	=	50Ω (+/- 2)

INNER CONDUCTOR SPECIFICATIONS

Inner Conductor Makeup	=	7 Solid Copper Strands X 0.74mm Each
Inner Conductor Overall Diameter	=	2.25mm Overall Diameter
Inner Conductor DC-Resistance (Ω/km)	=	5.8Ω

OUTER CONDUCTOR SPECIFICATIONS

Outer Conductor (Braid) Makeup	=	24 Bundels X 8 Copper Strands = 192 Strands
Outer Conductor (Braid) Makeup	=	192 Copper Strands X 0.16mm Each
Outer Conductor (Braid) Diameter	=	8.17mm
Outer Conductor (Braid) Coverage	=	96%
Outer Conductor (Braid) DC-Resistance (Ω/km)	=	4.1Ω

INSULATOR SPECIFICATION

Insulator Dielectric Specification	=	White Solid Polyethylene X 7.24mm
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OUTER JACKET SPECIFICATIONS

Outer Jacket (Sleeving) Diameter	=	1.01 Wall X 10.23mm Outer Diameter
Outer Jacket (Sleeving) Specification	=	Black Polyvinyl Chloride (PVC)
Outer Jacket (Sleeving) UV Specification	=	UV Resistant
Outer Jacket (Sleeving) Marking	=	RFi Cable RG213/U MIL-C-17F 50 Ω

TECHNICAL SPECIFICATIONS

Capacitance	=	101.05pF/m
Inductance	=	0.253 uH/m

MECHANICAL SPECIFICATIONS

Operating Temperature	=	-40 To +75 Centigrade
Minimum Bend Radius Installed	=	35mm
Minimum Bend Radius Repeated	=	75mm
Tensile Strength	=	12.5N/mm ²
Cable Weight	=	14.88g/m (14.88kg/100m)

ATTENUATION

Freq.	dB/100m	Avr. Power kW
0.5MHz	0.275	19.00
1MHz	0.375	13.00
1.5MHz.	0.480	10.00
10MHz	1.885	3.70
30MHz	3.635	3.30
50MHz	4.820	2.00
100MHz	7.000	1.00
200MHz	10.250	0.67
400MHz	14.750	0.43
600MHz	18.550	0.35
800MHz	22.485	0.27
900MHz	23.550	0.25
1000MHz	27.300	0.23

Attenuation @ 20 Degree Centigrade
Av.Power @ 40 Degree Centigrade

Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.

