



RG213 RGFLEX™ Coax Braided Cable

**Product Description**

• **RG series**

Braided outer coaxial cable (50- and 75-ohm), for general radio station, RF jumper, cable TV, closed-circuit (CCTV) and head-end applications.

Application: OEM jumpers, BTS inter-cabinet connections, GPS lines, Microwave IF cabling



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**Features/Benefits**

**Technical Features**

**Structure**

Inner conductor:	Stranded Tinned Wire 7x0.75mm (7x0.03in)	[mm (in)]	2.26 (0.09)
Dielectric:		[mm (in)]	7.25 (0.29)
Outer conductor:	Tinned copper braid with 96% of coverage	[mm (in)]	8.11 (0.32)
Jacket:	Polyvinyl Chloride, PVC	[mm (in)]	10.31 (0.41)

**Mechanical Properties**

Weight, approximately		[kg/m (lb/ft)]	0.155 (0.103)
Minimum bending radius, single bending		[mm (in)]	50.0 (1.97)
Minimum bending radius, repeated bending		[mm (in)]	205 (8.0)
Bending moment		[Nm (lb-ft)]	
Max. tensile force		[N (lb)]	
Recommended / maximum clamp spacing		[m (ft)]	

**Electrical Properties**

Characteristic impedance		[Ω]	50 +/- 2
Relative propagation velocity		[%]	66
Capacitance		[pF/m (pF/ft)]	101 (30.8)
Inductance		[μH/m (μH/ft)]	0.253 (0.077)
Max. operating frequency		[GHz]	2.4
Jacket spark test RMS		[V]	
Peak power rating		[kW]	
RF Peak voltage rating		[V]	
DC-resistance inner conductor		[Ω/km (Ω/1000ft)]	5.8 (1.76)
DC-resistance outer conductor		[Ω/km (Ω/1000ft)]	4.1 (1.25)

**Recommended Temperature Range**

Storage temperature		[°C (°F)]	-50 to +85 (-58 to +185)
Installation temperature		[°C (°F)]	-20 to +60 (-4 to +140)
Operation temperature		[°C (°F)]	-40 to +85 (-40 to +185)

**Other Characteristics**

Fire Performance: Flame Retardant

VSWR Performance: [dB (VSWR)]

Other Options:

Frequency [ MHz ]	Attenuation	
	[ dB/100m ]	[ dB/100ft ]
0.5	0.400	0.122
1.0	0.600	0.183
5.0	1.50	0.457
10	2.0	0.610
20	2.90	0.884
30	3.60	1.10
50	4.60	1.40
88	6.30	1.92
100	6.80	2.07
108	7.10	2.16
150	8.40	2.56
174	9.10	2.77
200	10.2	3.11
300	12.3	3.75
400	14.5	4.42
450	15.5	4.72
500	16.5	5.03
512	16.8	5.12
600	18.4	5.61
700	20.2	6.16
800	23.0	7.01
824	23.5	7.16
894	24.1	7.35
900	24.5	7.47
925	24.9	7.59
960	25.3	7.71
1000	25.8	7.86
1250	29.0	8.84
1500	33.7	10.3
1700	35.2	10.7
1800	39.0	11.9
2000	42.1	12.8
2400	45.3	13.8

Attenuation at 20°C (68°F) cable temperature

All information contained in the present datasheet is subject to confirmation at time of ordering