

GLRG223 Coaxial Cable

MODEL GLRG223

50-ohm black PVC coaxial cable with dual silver-plated copper braid.



KEY PERFORMANCE

50 +/- 2 ohm

IMPEDANCE

66%

VELOCITY

11 GHz

CUTOFF FREQUENCY

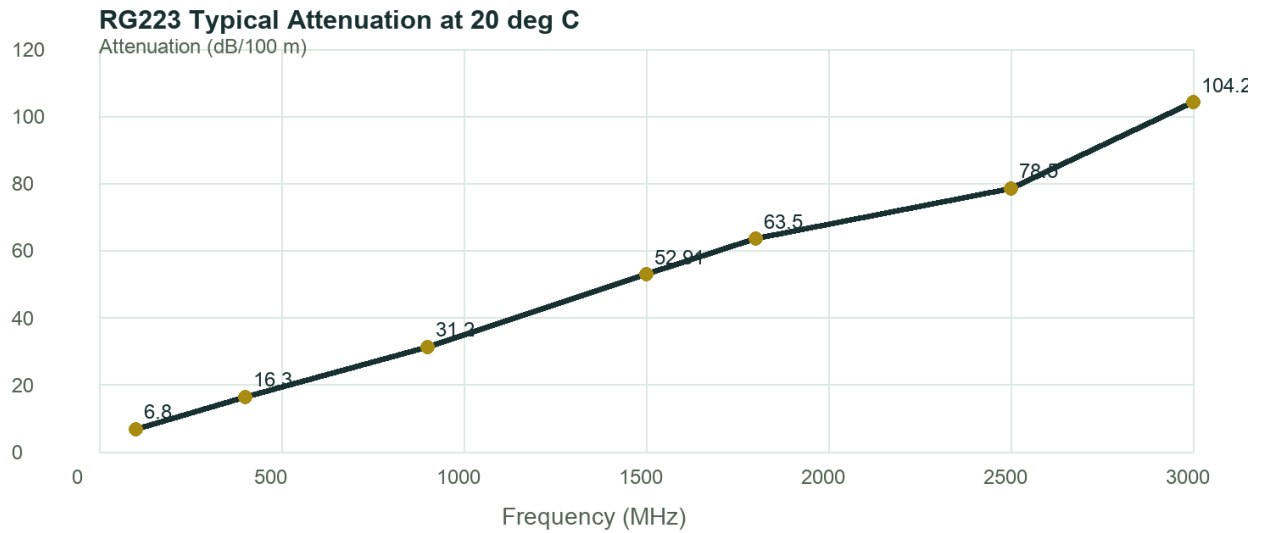
> 90 dB

SCREENING ATTENUATION

TECHNICAL SPECIFICATIONS

CABLE CONSTRUCTION	
Inner conductor	Silver-plated copper wire, diameter 0.90 +/- 0.009 mm
Dielectric	Solid PE, diameter 2.95 +/- 0.05 mm
First braid	Silver-plated copper wire, 112 x 0.12 mm; diameter 3.8 +/- 0.1 mm
Second braid	Silver-plated copper wire, 112 x 0.12 mm; diameter 4.2 +/- 0.1 mm
Jacket	Black PVC, diameter 5.3 +/- 0.10 mm
ELECTRICAL & MECHANICAL	
Characteristic impedance	50 +/- 2 ohm
Capacitance	96 +/- 2 pF/m
Velocity	66%
Peak power	3.5 kW
Jacket spark test	3000 V RMS
Inner conductor DC resistance	<= 129.1 ohm/1000 m
Outer conductor DC resistance	<= 18.65 ohm/1000 m
Cutoff frequency	11 GHz
Operating temperature	-40 to +85 deg C
Minimum bend radius	53 mm
Maximum pull tension	31 lb
Reel length	200 m
Screening attenuation	> 90 dB
VSWR	< 1.3 from 5 to 6000 MHz

TYPICAL ATTENUATION



TYPICAL ATTENUATION AT 20 DEG C

100 MHz	6.8 dB/100 m
400 MHz	16.3 dB/100 m
900 MHz	31.2 dB/100 m
1500 MHz	52.91 dB/100 m
1800 MHz	63.5 dB/100 m
2500 MHz	78.5 dB/100 m
3000 MHz	104.2 dB/100 m

SOURCE CONDITION

Typical attenuation values at sea level and 20 deg C, as listed in the supplied RG223 source document.

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NEED A CUSTOM CONFIGURATION?

Frequency, connector, cable length and mounting options can be reviewed for your project.

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