



TerraWave Solutions® TWS-RG223U Coaxial Cable

TerraWave's TWS-RG223U is used for a variety of specialty applications, such as radio frequency (RF) applications, measuring instruments or a variety of other custom cabling installations and it meets American Military Spec Mil-C-17 standards. This cable is constructed with a double silver plated copper braid, a non-contaminating PVC jacket and is RoHS compliant. All TerraWave cable types are available with a wide variety of connector options for any deployment and include a 7-year warranty. For additional information, contact sales@terrawave.com.



Construction Specification		
	Material	Diameter
1. Inner Conductor	Silver Plated Copper	0.0354" ± 0.0008"
2. Dielectric	Solid Polyethylene (Concentricity ≥ 85%)	0.1161" ± 0.0039"
3. Outer Conductor	Double Silver Plated Copper Braid	0.1496" ± 0.0039"
4. Jacket	Black PVC	0.2087" ± 0.0059"
5. Marking	TWS-RG223U Coaxial Cable - TerraWave Solutions	

Electrical Characteristics	
Capacitance	101 ± 3 pF/m
Impedance	50 Ω
Dielectric Resistance	≥ 10 G Ω km
Dielectric Strength	5 kv
Maximum Operating Voltage	1.9 kv

Mechanical and Environmental Characteristics	
Operating Temperature	+5° F - 176° F
Bending Radius Once	3.937"
Weight	49.1 kg/km
Packing	1000 ft / Reel

Attenuation and Avg. Power (68° F)	
Frequency	Typical Attenuation dB/100 ft
50 MHz	3.2 dB/100 ft
100 MHz	4.42 dB/100 ft
200 MHz	6.25 dB/100 ft
300 MHz	7.62 dB/100 ft
500 MHz	10.06 dB/100 ft
1000 MHz	14.7 dB/100 ft
2000 MHz	22.3 dB/100 ft
2500 MHz	26.0 dB/100 ft

Return Loss	
5-3000 MHz	≥ 21 dB

General Information	
Warranty	7 Years
Life Expectancy	20 Years



For detailed product information and to purchase product, please contact a TerraWave wireless networking solutions sales engineer at 210-375-8482, 800-851-4965, sales@terrawave.com or visit www.terrawave.com.

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