



## TerraWave Solutions® TWS-RG11-M (Fire Retardant) Coaxial Cable

TerraWave's **TWS-RG11-M** series is non-halogenated, low smoke, fire retardant cable that is designed for easy installation with maximum flexibility where curves, bends and twists rule out the use of standard hard-line transmission cables. This cable has the added benefit of being MSHA tested and approved for safe and reliable use in underground mining applications where critical safety standards apply. Designed for any indoor, non-plenum application requiring high-quality, flexible cabling such as WLL, GPS, WLAN, WISP, WiMax, SCADA and mobile applications. TerraWave's cable is compatible with a wide variety of connectors and is ideal for any off-the-shelf or customized cable assembly. Visit [www.terrawave.com](http://www.terrawave.com) for additional information.



TESSCO SKU: 305012  
TerraWave Part Number: TWS-RG11-M

Construction Specification		
	Material	Diameter
Inner Conductor	Solid Bare Copper	0.064"
Dielectric	Gas Injected Foam Polyethylene	0.285"
Outer Conductor	34 GA Tinned Copper Braid (93%k)	0.314"
Jacket	Black Fire Retardant PVC	0.405"

Electrical Characteristics	
Capacitance	16 pF/ft
Impedance	75 Ω +/- 3 Ω
DC Resistance	2.9 Ω/1000 ft
Velocity	82%

Mechanical and Environmental Characteristics	
Operating Temperature	-40° F to 176° F
Minimum Bend Radius	4"
Weight	66 lbs/1000 ft
Packing	1000 ft/Reel

Attenuation	
Frequency	Typical Attenuation dB/100 ft
1 MHz	0.13 dB/100 ft
10 MHz	0.42 dB/100 ft
50 MHz	0.94 dB/100 ft
100 MHz	1.3 dB/100 ft
200 MHz	1.9 dB/100 ft
400 MHz	2.9 dB/100 ft
700 MHz	3.9 dB/100 ft
900 MHz	4.6 dB/100 ft
1000 MHz	4.9 dB/100 ft

Return Loss	
10-300 MHz	20 dB

General Information	
Warranty	7 Years
Life Expectancy	20 Years

U.S. DEPARTMENT OF LABOR  
**MSHA CERTIFIED**  
P-07-KA090018-MSHA  
MINE SAFETY & HEALTH ADMINISTRATION



**TerraWave TWS-RG11-M is RoHS Compliant and MSHA Certified P-07-KA090018-MSHA.**

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](mailto:sales@terrawave.com) or visit [www.terrawave.com](http://www.terrawave.com).

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