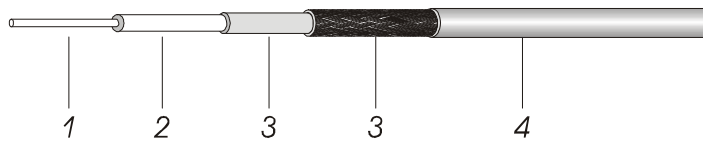


## TWS-RG142 Bulk Coaxial Cable

The TWS-RG142 Cable is an outstanding braided coaxial cable for wireless professionals. A highly desirable cable for enterprise applications such as DAS systems, this cable offers maximum flexibility where curves, bends and twists exist. The cable is constructed of a fluorinated ethylene propylene (FEP) jacket providing durability and protection from high temperatures and is CMP-rated for plenum spaces. It is designed for any application requiring high-quality, flexible cabling such as in-building network deployments. Ventev's cable is compatible with a wide variety of Ventev connectors and can be used for an off-the-shelf cable assembly or customized cable assembly. For questions or to purchase product, contact your Regional Sales Executive at 210-375-8482, 800-851-4965 or [sales@ventev.com](mailto:sales@ventev.com).

TESSCO No: 582340  
Ventev Part Number: TWS-RG142



Construction Specifications		
	Material	Diameter (mm)
<b>1. Inner Conductor</b>	Silver-plated copper clad steel	0.93 +- 0.02
<b>2. Dielectric</b>	PTFE	3.00 +- 0.05
<b>3. Outer Conductor</b>	Double Silver Plated Copper Braid	Nom 4.0
<b>4. Jacket</b>	Brown FEP	4.95 +- 0.15

Electrical Characteristics	
<b>Capacitance (pF/m)</b>	105
<b>Impedance (Ω)</b>	50
<b>Velocity (%)</b>	70
<b>Dielectric strength (VRMS@60Hz)</b>	2500
<b>Max. Operating Voltage (Vrms)</b>	1900
<b>Max. Operating Frequency (GHz)</b>	8

Typical Attenuation @20 and Sea Level	
Frequency (GHz)	Typical Attenuation dB/100M
0.1	14.4
0.4	29.4
1	48.3
3	89.8
5	115.5
6	127.5

Mechanical and Environmental Characteristics	
<b>Bending Radius once (mm)</b>	25
<b>Repeated Bend Radius (mm)</b>	40
<b>Operating Temperature (C)</b>	-55° to +200°
<b>Fire Rating</b>	Flame Retardant, Plenum Rated

General Information	
<b>Warranty</b>	7 Years