

# MAXGAIN®-160

#### HIGH PERFORMANCE MICROWAVE COAXIAL CABLE

MaxGain® Assemblies are high-performance, ultra-low-loss microwave coaxial cables. Built with our unique spiral outer conductor technology, this light-weight cable is a reliable, high frequency interconnect solution.



### **FEATURES**

- Optimized for lowest attenuation at 40 GHz
- Ultra stable insertion loss, phase and VSWR with flexing
- Flexible, low minimum bend radius
- Superior shielding effectiveness (>90 dB)

## **Mechanical Properties**

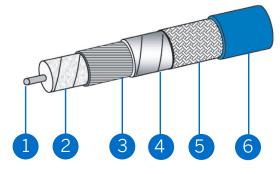
	Units	
Diameter	in (mm)	0.156 (3.96)
Weight	lb/ft (kg/m)	0.026 (0.038)
Minimum Bend Radius	in(mm)	0.75 (19.0)
Operating Temperature	°F (°C)	-67° to 302° (-55° TO 150°)

#### **KEY APPLICATIONS**

- 5G high frequency
- Space environment
- Test and measurement

## **Electrical Properties**

	Units	
Impedance	Ω	50 +/- 2
Maximum Frequency	GHz	40
Capacitance	pF/ft (pF/m)	25.00 (82.0 )
Velocity of Propagation		80%
Delay	ns/ft (ns/m)	1.28 (4.20)
Shielding		>90dB minimum
Attenuation	dB/ft	dB/m
18.0 GHz	0.52	(1.50)
40.0 GHz	0.795	(2.61)



1 Center Conductor

Silver Plated Copper

2 Dielectric

Microporus PTFE

3 Shield

Silver Plated Copper

4 Interlayer

Metalized Tape

5 Outer Braid

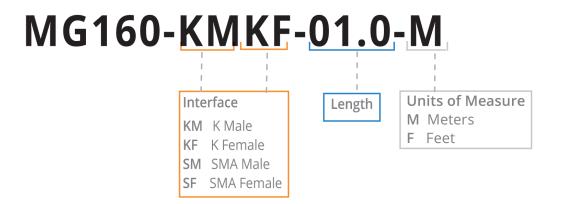
Silver Plated Copper

6 Jacket

Blue FEP

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# Ordering Guide









WORLD HEADQUARTERS
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