

# MaxGain® 160

HIGH PERFORMANCE MICROWAVE COAXIAL CABLE

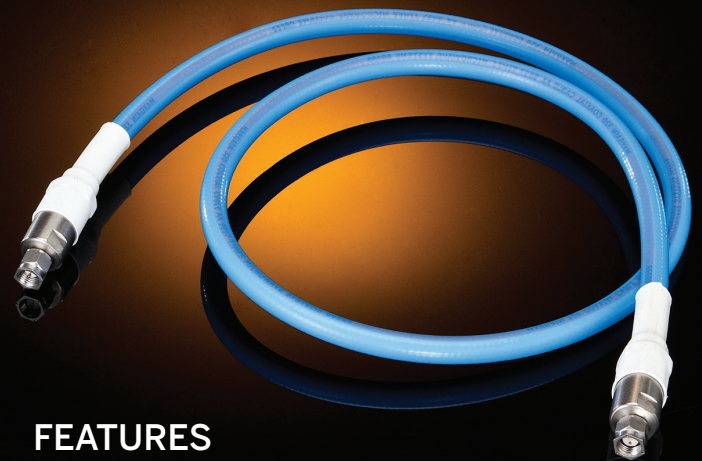
**MaxGain® Assemblies** are high-performance, ultra-low-loss microwave coaxial cables. Built with our unique spiral outer conductor technology, this light-weight cable is a reliable, high frequency interconnect solution.

## MaxGain® Cable

Diameter	0.156"
Minimum Bend Radius	0.750" (Centerline)
Operating Temperature	-55°C to + 150°C
Weight	25.6 lbs/1000ft
Attenuation at 18 GHz	0.486 dB/ft
Attenuation at 40 GHz	0.743 dB/ft

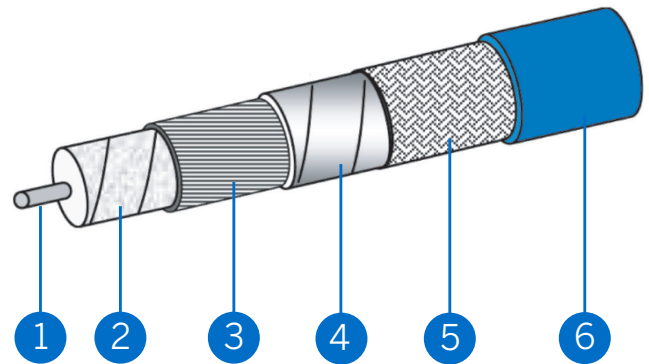
## Electrical Properties

Maximum Frequency	42 GHz
Impedance	50 ohms
Capacitance	25.00 pf/ft
Velocity of Propagation	79.5%
Delay	1.28 ns/ft
Shielding	-90 dB minimum



## FEATURES

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



1	Center Conductor	0.0359"	Silver Plated Copper
2	Dielectric	0.105"	Microporus PTFE
3	Shield	0.109"	Silver Plated Copper
4	Interlayer	0.116"	Metalized Tape
5	Outer Braid	0.134"	Silver Plated Copper Braid
6	Jacket	0.156"	Blue FEP

# MaxGain® 160

HIGH PERFORMANCE MICROWAVE COAXIAL CABLE



Heritage—in the air and on the ground, hundreds of thousands of assemblies built over decades



Global manufacturing capability: US, Mexico & China



Assembled and tested MaxGain assemblies provide assured performance.

## Ordering Guide

# MG 160--KMKF-01.0-M

### Interface

KM K Male  
KF K Female  
SM SMA Male  
SF SMA Female

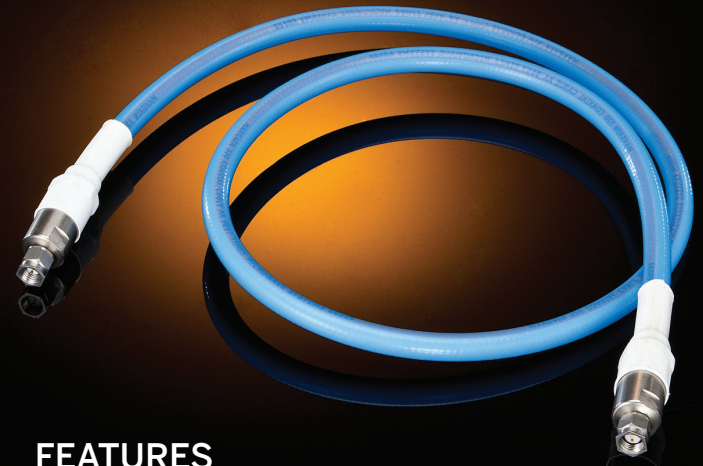
### Length

### Units of Measure

M Meters  
F Feet

WORLD HEADQUARTERS  
358 Hall Avenue, Wallingford, CT 06492  
1-800-867-2629





# MaxGain® 200

## 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.

### MaxGain® Cable

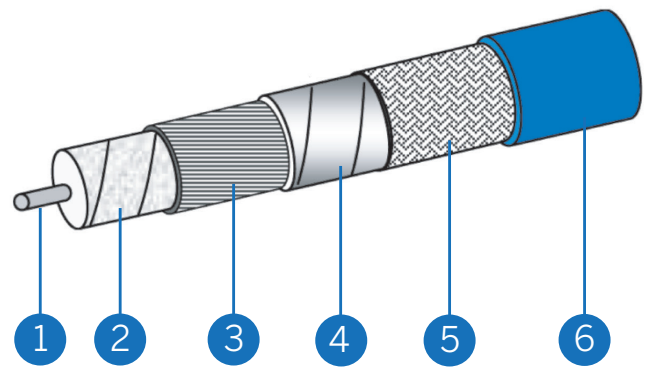
Diameter	0.197"
Minimum Bend Radius	1.25" (Centerline)
Operating Temperature	-55°C to + 150°C
Weight	39.1 lbs/1000ft
Attenuation at 18.0 GHz	0.356 dB/ft
Attenuation at 28.5 GHz	0.457 dB/ft

### Electrical Properties

Maximum Frequency	30 GHz
Impedance	50 ohms
Capacitance	25.10 pf/ft
Velocity of Propagation	80%
Delay	1.27 ns/ft
Shielding	-90 dB minimum

### FEATURES

- Optimized for lowest attenuation at 30 GHz
- Ultra-stable insertion loss, phase and VSWR with flexing
- Low smoke, zero halogen FEP jacket available
- Flexible, low minimum bend radius
- Superior shielding effectiveness (>90 dB)



1	Center Conductor	0.0508"	Silver Plated Copper
2	Dielectric	0.146"	Microporus PTFE
3	Shield	0.151"	Silver Plated Copper
4	Interlayer	0.156"	Metalized Tape
5	Outer Braid	0.174"	Silver Plated Copper Braid
6	Jacket	0.197"	Blue FEP

# MaxGain<sup>®</sup> 200

HIGH PERFORMANCE MICROWAVE COAXIAL CABLE



Heritage—in the air and on the ground, hundreds of thousands of assemblies built over decades



Global manufacturing capability: US, Mexico & China



Assembled and tested MaxGain assemblies provide assured performance.

## Ordering Guide

# MG 200--KM KF-01.0-M

### Interface

KM K Male  
KF K Female  
SM SMA Male  
SF SMA Female

### Length

### Units of Measure

M Meters  
F Feet

### WORLD HEADQUARTERS

358 Hall Avenue, Wallingford, CT 06492  
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