

MAXGAIN®-300

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 18 GHz
- Ultra stable insertion loss, phase and VSWR with flexing
- Flexible, low minimum bend radius
- Superior shielding effectiveness (>90 dB)

Mechanical Properties

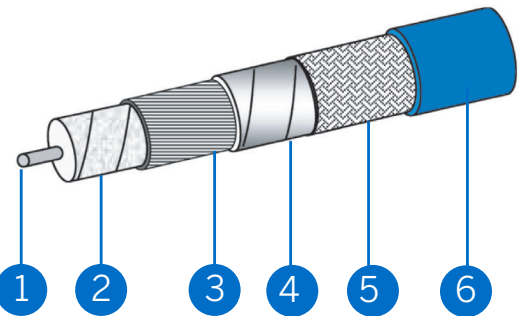
	Units	
Diameter	in (mm)	0.310 (7.88)
Weight	lb/ft (kg/m)	96.0 (138.5)
Minimum Bend Radius	in(mm)	1.75 (44.5)
Operating Temperature	°F (°C)	-67° to 302° (-55° TO 150°)

Electrical Properties

	Units	
Impedance	Ω	50 +/- 2
Maximum Frequency	GHz	18.0
Capacitance	pF/ft (pF/m)	24.8 (81.2)
Velocity of Propagation		81%
Delay	ns/ft (ns/m)	1.25 (4.10)
Shielding		>90dB minimum
Attenuation	dB/ft	dB/m
12.0 GHz	0.16	(.52)
18.0 GHz	0.22	(.72)

KEY APPLICATIONS

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



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|---|-------------------------|----------------------|
| 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

MG300-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



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



Global manufacturing capability: US, Mexico, India & China



Assembled and tested MaxGain assemblies provide assured performance

WORLD HEADQUARTERS

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