

962-009-160
50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- Tape+Foil+Braid Shields
- .161" Diameter
- e-PTFE Dielectric
- .036" Conductor



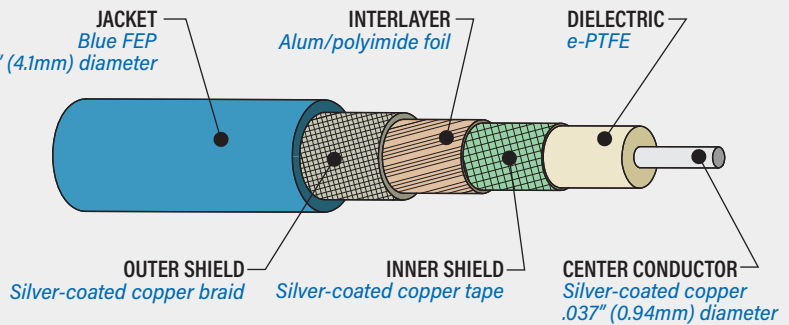
50 ohm. Low loss. Triple shield. 40 GHz.
 962-009-160 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

- 50 ohm
- 40 GHz
- -55 to +165 °C
- FEP jacket, e-PTFE dielectric
- >95 dB shield effectiveness
- Low attenuation

PART NUMBER

962-009-160 *Order in one foot increments*

CONSTRUCTION



DIMENSIONS

	in	mm
Center Conductor	.036	0.91
Dielectric	.104	2.6
Inner Shield	.110	2.8
Interlayer	.118	3.0
Outer Shield	.135	3.4
Jacket	.161	4.1
Min. Bend Radius	.787	20.0

OPERATING TEMPERATURE

-55 to +165 °C

ELECTRICAL SPECIFICATIONS

Impedance (ohms)	50
Velocity of Propagation	78%
Capacitance (pf/ft)	26
Shielding Effectiveness (dB)	>95
Delay (ns/ft)	1.31
Max. Operating Frequency (GHz)	40

ATTENUATION

	Attenuation (dB/ft)
0.5 GHz	.075
1 GHz	.107
3 GHz	.190
5 GHz	.250
10 GHz	.365
12 GHz	.404
18 GHz	.508
26.5 GHz	.633
30 GHz	.681
40 GHz	.804

COAX CABLE