

**962-016-160**  
**50 Ohm Low Loss Coax Cable**

- 18 GHz
- Tape+Foil+Braid Shields
- e-PTFE Dielectric
- ETFE Jacket
- .145" Diameter
- .036" Conductor

COAX CABLE



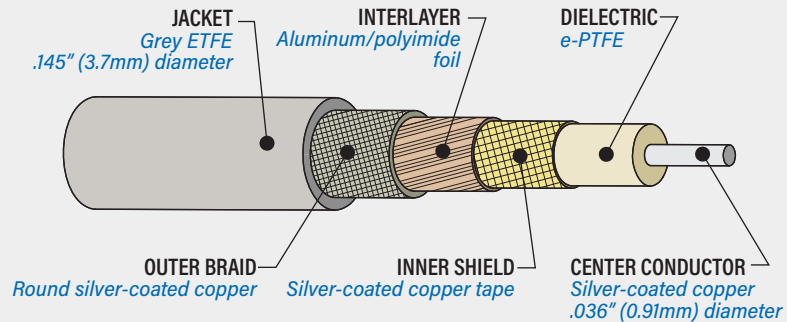
**50 ohm. Low loss. Triple shield.** Lightweight 962-016-160 coax cable has radiation-resistant space-grade ETFE jacket. Expanded PTFE dielectric for low attenuation at microwave frequencies. Three metallic shield layers: SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

- 50 ohm
- -55 to +165 °C
- ETFE jacket, ePTFE dielectric
- >90 dB shield effectiveness
- Braid/foil/braid shield layers
- Low attenuation

**PART NUMBER**

**962-016-160**    *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	.145	3.7
Min. Bend Radius	.787	20.0

**ELECTRICAL SPECIFICATIONS**

Impedance (ohms)	50
Velocity of Propagation	78%
Capacitance (pf/ft)	26
Shielding Effectiveness (dB)	>95
Delay (ns/ft)	1.30
Max. Operating Frequency (GHz)	18

**OPERATING TEMPERATURE**

**-55 to +165 °C**

**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