

**962-009-235**  
**50 Ohm Low Loss Coax Cable**

- 18 GHz
- FEP Jacket
- Tape+Foil+Braid Shields
- .235" Diameter
- e-PTFE Dielectric
- .057" Conductor



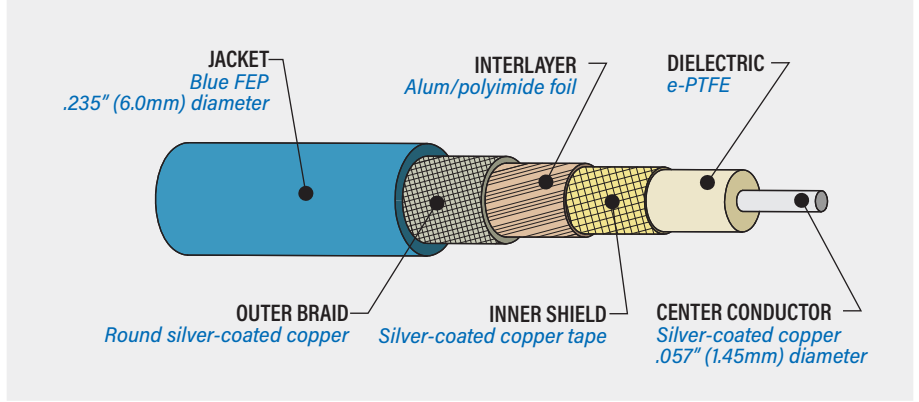
**50 ohm. Low loss. Triple shield.** 962-009-235 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) flat tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

- 50 ohm
- -55 to +165 °C
- FEP jacket, e-PTFE dielectric
- >90 dB shield effectiveness
- Tape/foil/braid shield layers
- Low attenuation
- Lightweight, flexible

**PART NUMBER**

**962-009-235**    *Order in one foot increments*

**CONSTRUCTION**



**DIMENSIONS**

	in	mm
Center Conductor	.057	1.45
Dielectric	.160	4.1
Inner Shield	.170	4.3
Interlayer	.175	4.4
Outer Shield	.191	4.9
Jacket	.235	6.0
Min. Bend Radius	1.181	30.0

**ELECTRICAL SPECIFICATIONS**

Impedance (ohms)	50
Velocity of Propagation	80
Capacitance (pf/ft)	25
Shielding Effectiveness (dB)	>90
Delay (ns/ft)	1.27
Max. Operating Frequency (GHz)	18

**ATTENUATION**

	Attenuation (dB/ft)
0.5 GHz	.047
1 GHz	.067
3 GHz	.119
5 GHz	.155
10 GHz	.225
12 GHz	.248
18 GHz	.310

**OPERATING TEMPERATURE**

**-55 to +165 °C**

COAX CABLE