

962-012-235
50 Ohm Low Loss Coax Cable

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

COAX CABLE



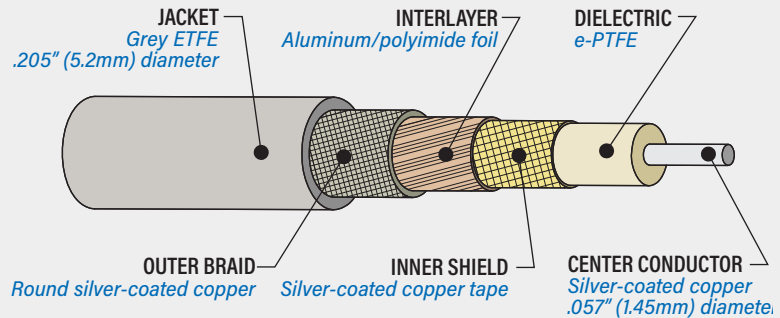
50 ohm. Low loss. Triple shield. Lightweight 962-012 coax cable has radiation-resistant space-grade ETFE jacket. Expanded PTFE dielectric for low attenuation at microwave frequencies. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

- 50 ohm
- -55 to +150 °C
- ETFE jacket, ePTFE dielectric
- >90 dB shield effectiveness
- Tape/foil/braid shield layers
- Low attenuation
- Lightweight, flexible

PART NUMBER

962-012-235 *Order in one foot increments*

CONSTRUCTION



DIMENSIONS

	in	mm
Center Conductor	.057	1.44
Dielectric	.160	4.1
Inner Shield	.170	4.3
Interlayer	.175	4.4
Outer Shield	.191	4.9
Jacket	.205	5.2
Min. Bend Radius	1.181	30.0

ELECTRICAL SPECIFICATIONS

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

OPERATING TEMPERATURE

-55 to +150 °C

ATTENUATION

	Attenuation (dB/ft)
0.5 GHz	.047
1 GHz	.067
6 GHz	.171
12 GHz	.248
18 GHz	.310