

962-009-300
50 Ohm Low Loss Coax Cable

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

COAX CABLE



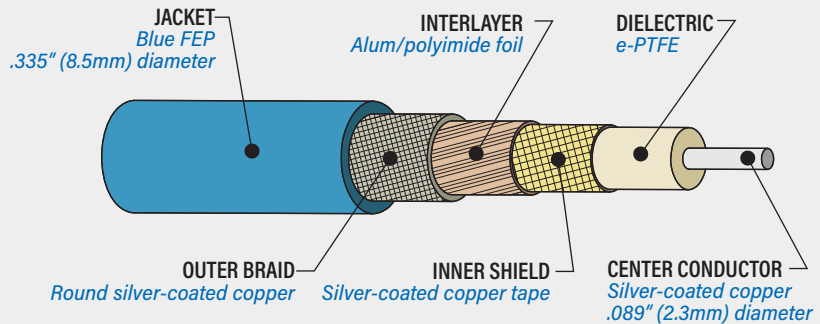
50 ohm. Low loss. Triple shield. 962-009-300 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) tape inner shield, aluminum/polyimide 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

962-009-300 *Order in one foot increments*

CONSTRUCTION



DIMENSIONS

	in	mm
Center Conductor	.089	2.3
Dielectric	.250	6.4
Inner Shield	.258	6.6
Interlayer	.264	6.7
Outer Shield	.284	8.5
Jacket	.310	7.6
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

OPERATING TEMPERATURE

-55 to +165 °C

ATTENUATION

	Attenuation (dB/ft)
0.5 GHz	.036
1 GHz	.051
3 GHz	.089
5 GHz	.116
10 GHz	.167
12 GHz	.183
18 GHz	.228