962-032-300
50 Ohm Low Loss Coax Cable

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

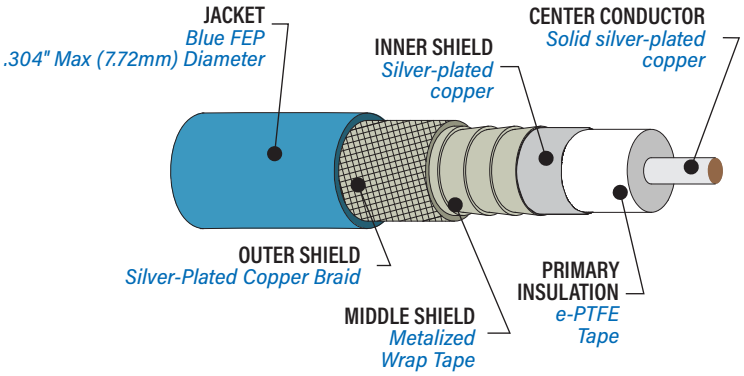
BLUMARK COAX CABLES RF™

50 ohm. Low loss. Triple shield. 18 GHz. 962-032-300 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.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 39.1 g/ft nom.
- Velocity of Propagation: 80%
- Capacitance (pf/ft): 25.4
- Min. Bend Radius: 1.181 in (30.0 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.036	0.118
1.0 GHz	0.051	0.167
4.0 GHz	0.104	0.341
10.0 GHz	0.167	0.548
18.0 GHz	0.228	0.748

CALCULATED INSERTION LOSS

$IL = [K_1 \sqrt{F} + K_2 F]$ x Cable Length

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0016033	0.0052601
K_2	0.0000007	0.0000024