

962-032-160
 50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- e-PTFE Dielectric

- .160" Jacket Diameter
- Silver-Plated Copper Conductor

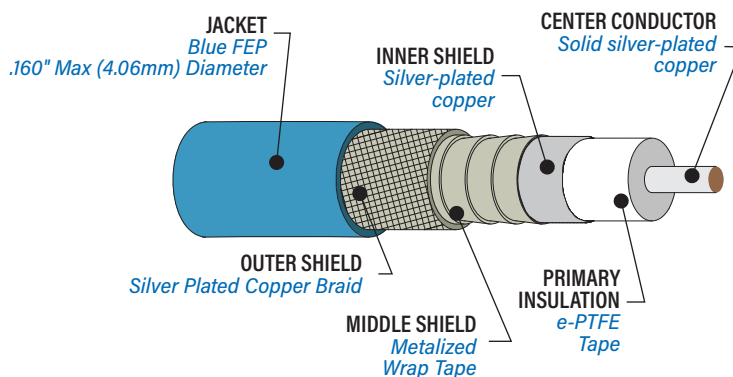


50 ohm. Low loss. Triple shield. 40 GHz.
 962-032-160 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor. e-PTFE dielectric.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 11.0 g/ft nom.
- Velocity of Propagation: 78%
- Capacitance (pf/ft): 26
- Min. Bend Radius: .787 in (20.0 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.076	0.249
1.0 GHz	0.108	0.354
4.0 GHz	0.224	0.735
10.0 GHz	0.367	1.204
18.0 GHz	0.508	1.667
26.5 GHz	0.633	2.077
40.0 GHz	0.804	2.638

CALCULATED INSERTION LOSS

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

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0033141	0.0108729
K_2	0.0000035	0.0000116