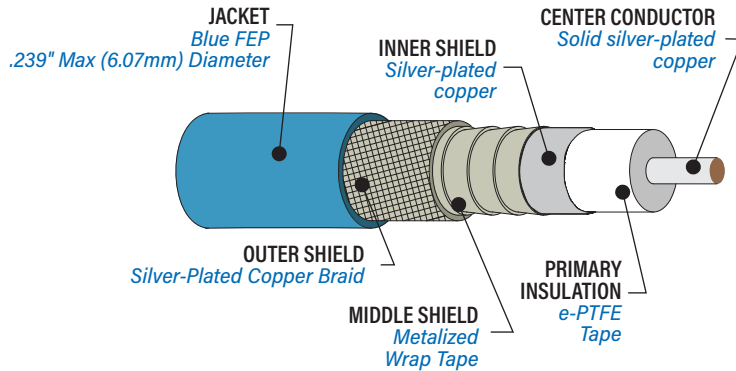


962-032-235
50 Ohm Low Loss Coax Cable

- 26.5 GHz
- FEP Jacket
- e-PTFE Dielectric
- .239" Jacket Diameter
- Tape+Foil+Braid Shields



CONSTRUCTION



COAX CABLE



50 ohm. Low loss. Triple shield. 26.5 GHz.
 962-032-235 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.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 21.8 g/ft nom.
- Velocity of Propagation: 80%
- Capacitance (pf/ft): 25.4
- Min. Bend Radius: 1.181 in (30.0 mm)

| ATTENUATION | | |
|-------------|-----------------------------|--------------------------------|
| | Typical Attenuation (dB/ft) | Typical Attenuation (dB/meter) |
| 0.5 GHz | 0.048 | 0.157 |
| 1.0 GHz | 0.068 | 0.223 |
| 4.0 GHz | 0.139 | 0.456 |
| 10.0 GHz | 0.226 | 0.741 |
| 18.0 GHz | 0.310 | 1.017 |
| 26.5 GHz | 0.383 | 1.256 |

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 | 0.0021092 | 0.0069201 |
| K_2 | 0.0000015 | 0.0000049 |