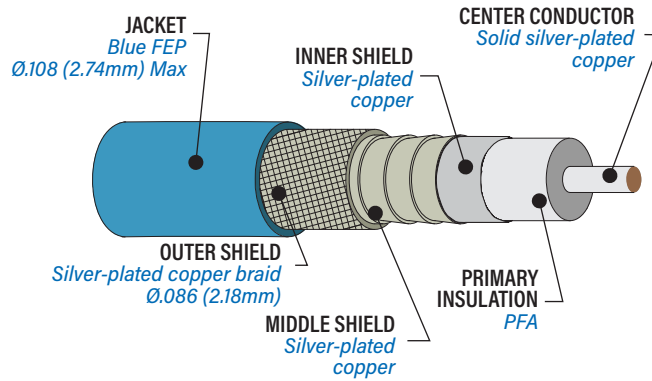


962-025-086
50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- PFA Dielectric
- .086" Outer Shield Diameter
- Silver-Plated Copper Conductor



CONSTRUCTION



COAX CABLE



Industry leading insertion loss stability under vibration. 962-025 coax cable has abrasion resistant FEP jacket and is a flexible alternative to RG405 semi-rigid cable. Three shield layers: two silver plated flat wire shields and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -65 to +165 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 5.6 g/ft nom.
- Velocity of Propagation: 70%
- Capacitance (pf/ft): 29
- Min. Bend Radius: .4 in (10.16 mm)

ATTENUATION

| | Typical Attenuation (dB/ft) | Typical Attenuation (dB/meter) |
|----------|-----------------------------|--------------------------------|
| 0.5 GHz | 0.156 | 0.512 |
| 1 GHz | 0.223 | 0.732 |
| 4 GHz | 0.463 | 1.519 |
| 10 GHz | 0.764 | 2.507 |
| 18 GHz | 1.065 | 3.494 |
| 26.5 GHz | 1.333 | 4.373 |
| 40 GHz | 1.702 | 5.584 |

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 | 0.0067718 | 0.0222171 |
| K_2 | 0.0000087 | 0.0000285 |