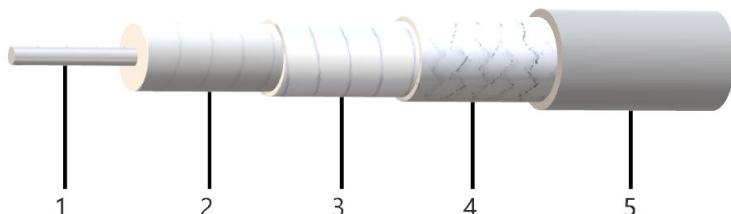




GPE67 Series offers Ultra low loss, amplitude and phase stable cable assemblies

Model Number: GPE67-1.85M/F-1.85M/F-L in Meters or Inches

Schematic diagram of the structure



Construction Specification

	Description	Size (mm)	Tol(mm)	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.40	±0.05	LD PTFE
3	Outer conductor	1.57	±0.05	Silver Plated Copper Foil
4	Outer shield	1.88	±0.05	Silver Plated Copper
5	Jacket	2.20	±0.10	FEP Grey

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	11.00
Bend Radius:repeated (mm)	22.00
Weight (Kg/m)	0.017
Temp, Operating&Installation (°C)	-55~+165

Electrical Specifications

Operation Frequency (GHz)	67	Bending Phase (67GHz)	±8°
Cutoff frequency(GHz)	67	Stable amplitude (dB)	±0.15
Impedance (Ohms)	50	Temperature phase (PPM)	<700@-55°C~+85°C
Velocity of Propagation	80%	VSWR (67GHz)	<1.35 @ 1M
Shielding Effectiveness (dB)	90	Typical Loss @ 48 inches	
Voltage Withstand (V,DC)	500	Typical Loss @ 72 inches	

Features&Benefits

- ★ Excellent phase stability
- ★ Excellent amplitude stability
- ★ Good temperature phasing
- ★ Ultra low loss
- ★ Light weight
- ★ Military radar
- ★ Electronic countermeasure
- ★ High power launch
- ★ Shipboard systems
- ★ Microwave Anechoic Chamber