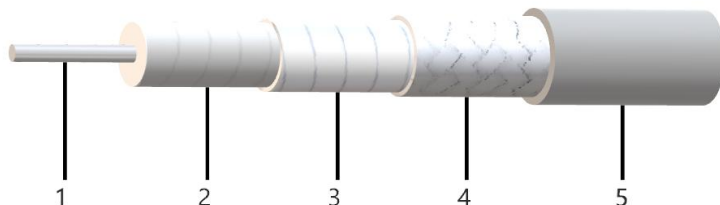




GPE50 Series offers Ultra-low loss, amplitude and phase stable cable assemblies

Model Number: GPE50-2.4M/F-2.4M/F-L in Meters or Inches

Schematic diagram of the structure



Construction Specification

	Description	Size (mm)	Tol(mm)	Materials
1	Center conductor	0.91	±0.02	Silver Plated Copper
2	Dielectric	2.51	±0.05	LD PTFE
3	Outer conductor	2.71	±0.05	Silver Plated Copper Foil
4	Outer shield	3.10	±0.08	Silver Plated Copper
5	Jacket	3.60	±0.10	FEP Grey

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18.00
Bend Radius:repeated (mm)	36.00
Weight (Kg/m)	0.036
Temp. Operating&Installation (°C)	-55~+165

Electrical Specifications

Operation Frequency (GHz)	50	Bending Phase (50GHz)	±6°
Cutoff frequency(GHz)	50	Stable amplitude (dB)	±0.10
Impedance (Ohms)	50	Temperature phase (PPM)	<700@-55°C~+85°C
Velocity of Propagation	81%	VSWR (50GHz)	<1.3 @ 1M
Shielding Effectiveness (dB)	90	Typical Loss @ 48 inches	6.8 dB
Voltage Withstand (V,DC)	1000	Typical Loss @ 72 inches	9.9 dB

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