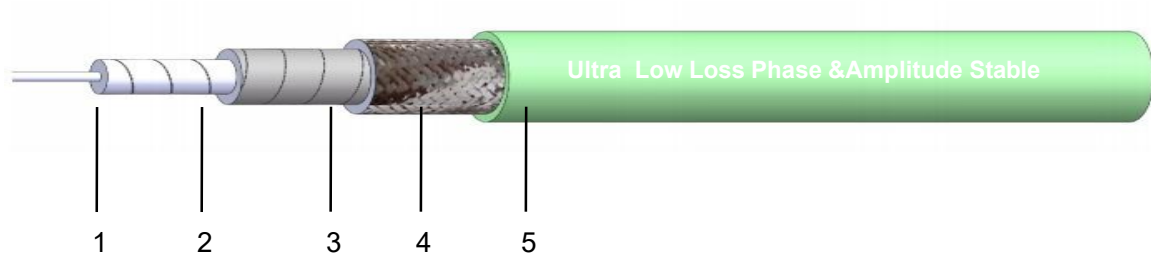


■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A400



Cable Construction

	Description	Dimensions (mm)	Material
1	Inner Conductor	1.05	Solid SPC
2	Dielectric	2.85	LD-PTFE
3	Outer Conductor	3.05	SPC Strip
4	Outer Shield	3.40	SPC Braid
5	Jacket	4.00	Green PFA or Custom

Mechanical & Environmental Specifications

Static Bend Radius : 20mm
 Dynamic Bend Radius : 40mm
 Weight: 0.036 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 41 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 82%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 1500 VDC

**Attenuation (Typical Value @ +25°C & VSWR = 1)
 Power (Typical Value @ +40°C, Sea Level)**

Frequency (MHz)	1000	2000	3000	6000	8000	10000	12400	18000	26500	40000
Attenuation (dB/100m)	33.5	47.5	58.3	82.8	95.8	107.2	119.7	144.7	176.4	218.1
Avg.Power (kW)	0.634	0.447	0.365	0.257	0.222	0.198	0.178	0.147	0.120	0.097
				K1=	1.054470					
				K2=	0.000180					
			Formula:	K1 x√ F(MHz)+K2 x F(MHz)						

Features

Phase Change vs Temperature (<750ppm @-55°C~+85°C)
 Low Loss
 High Power
 Low Passive Intermodulation (-155 dBc)
 Light Weight