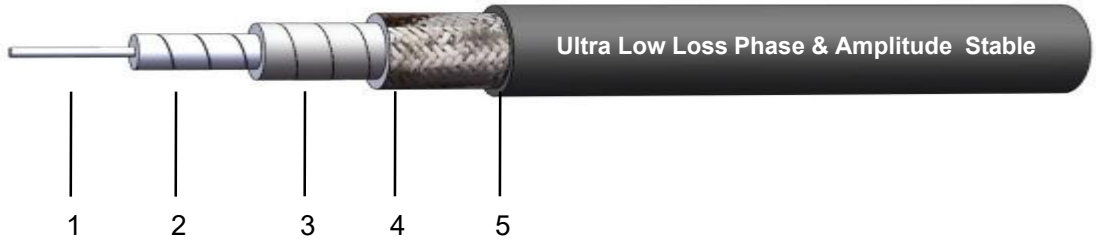


■ **A Series** Flexible, Low Loss, Temperature Phase Stable

A360



Cable Construction

| | Description | Dimensions (mm) | Material |
|---|-----------------|-----------------|--------------------|
| 1 | Inner Conductor | 0.91 | Solid SPC |
| 2 | Dielectric | 2.50 | LD-PTFE |
| 3 | Outer Conductor | 2.66 | SPC Strip |
| 4 | Outer Shield | 3.11 | SPC Braid |
| 5 | Jacket | 3.60 | Grey PFA or Custom |

Mechanical & Environmental Specifications

Static Bend Radius : 18mm
 Dynamic Bend Radius : 36mm
 Weight: 0.033 kg/m
 Operating Temperature Range : -55°C~+165°C

Electrical Specifications

Frequency Range : 40 GHz
 Cutoff Frequency : 46 GHz
 Characteristic Impedance : 50 Ω
 Velocity of Propagation : 82%
 Shielding Effectiveness : > 90dB
 Maximum Voltage : 500 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) | 37.5 | 53.4 | 65.6 | 93.8 | 108.9 | 122.3 | 136.9 | 166.7 | 204.8 | 255.7 |
| Avg.Power (kW) | 0.509 | 0.358 | 0.291 | 0.203 | 0.175 | 0.156 | 0.139 | 0.115 | 0.093 | 0.075 |
| | | | | K1= | 1.168470 | | | | | |
| | | | | K2= | 0.000550 | | | | | |
| | | | 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