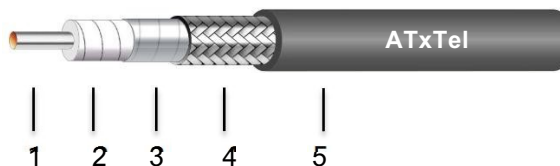


**Model: A500**

Ultra-low Loss  
Amplitude Stable  
Phase Stable



Construction	Materials	Outer Diameter (mm)
1. Center Conductor	Silvered Copper	1.45
2. Dielectric	Low Density PTFE	3.99
3. Inner Shield	Silvered Copper Tape Wrapping	4.19
4. Outer Shield	Braided Silvered Copper Wire	4.60
5. Jacket	Grey PFA	5.20

**Electrical Specifications**

Cable Impedance	50 Ω
Velocity	83%
Shielding Effectiveness	>90 dB
Voltage Withstanding	1500 V DC
Operating Frequency	DC-26.5 GHz
Amplitude Stability vs Flexure	<±0.1 dB
Mechanical Phase Stability	<±5°

**Mechanical & Environmental Specifications**

Weight	60 g/m
Bend Radius, static	26 mm
Bend Radius, dynamic	52 mm
Temperature Range	-55 ~ +165 °C

**Attenuation (Typical Value @ 25°C & Sea Level)**

Frequency (MHz)	Power (W)	Attenuation (dB/m)
300	1688	0.13
1000	919	0.23
3000	525	0.41
6000	368	0.59
8500	307	0.70
12400	252	0.85
18000	207	1.04
26500	169	1.28