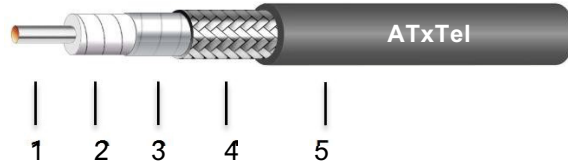


**Model: A810**

Ultra-low Loss  
Amplitude Stable  
Phase Stable



Construction	Materials	Outer Diameter (mm)
1. Center Conductor	Silvered Copper	2.40
2. Dielectric	Low Density PTFE	6.36
3. Inner Shield	Silvered Copper Tape Wrapping	6.60
4. Outer Shield	Braided Silvered Copper Wire	7.10
5. Jacket	Grey PFA	8.10

**Electrical Specifications**

Cable Impedance	50 Ω
Velocity	83%
Shielding Effectiveness	>90 dB
Voltage Withstanding	2500 V DC
Operating Frequency	DC-18 GHz
Amplitude Stability vs Flexure	<±0.1 dB
Mechanical Phase Stability	<±5°

**Mechanical & Environmental Specifications**

Weight	140 g/m
Bend Radius, static	40 mm
Bend Radius, dynamic	81 mm
Temperature Range	-55 ~ +165 °C

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

Frequency (MHz)	Power (W)	Attenuation (dB/m)
300	3503	0.07
1000	1897	0.14
3000	1071	0.24
6000	743	0.35
8500	616	0.42
12400	502	0.52
18000	409	0.63