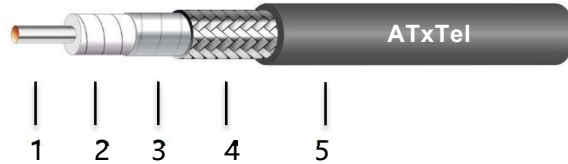


Model: A830

Ultra-low Loss
Amplitude Stable
Phase Stable



Construction	Materials	Outer Diameter (mm)
1. Center Conductor	Silvered Copper	2.44
2. Dielectric	Low Density PTFE	6.50
3. Inner Shield	Silvered Copper Tape Wrapping	6.90
4. Outer Shield	Braided Silvered Copper Wire	7.65
5. Jacket	Grey PFA	8.30

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	162 g/m
Bend Radius, static	41 mm
Bend Radius, dynamic	83 mm
Temperature Range	-55 ~ +165 °C

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

Frequency (MHz)	Power (W)	Attenuation (dB/m)
300	3496	0.07
1000	1894	0.13
3000	1075	0.23
6000	747	0.34
8500	621	0.40
12400	507	0.50
18000	414	0.61