



100 SERIES LOW LOSS COAXIAL CABLE

ATS-100



> CONSTRUCTION SPECIFICATIONS

> MECHANICAL SPECIFICATIONS

Inner Conductor Conductor Dia. Min.Break Strength

Insulation Insulation Dia. Color

Color Centricity Adhesion

Shielding Foil overlap Dia.

Outer Conductor Dia. Coverage

acket Outer Dia Color Solid CCS **0.46** +/-0.02mm 128 N

Solid P.E. 1.52 +/-0.10mm Neutral ≥90% 10 to 100N @ 25mm

AL/P-Foil (Bonded)

1.65 +/-0.10mm

TC Wire Braid
2.11 +/-0.10mm

PVC **2.79** +/-0.15mm Black

94 +/-3%

Min.Bending Radius:

 Installation
 6.4 mm

 Repeated
 25.4 mm

 Max.Pulling Tension
 78

Rated Temperature

Installation/operating temperature -40~+85 © Storage temperature -70~+85 ©

> ELECTRICAL SPECIFICATIONS

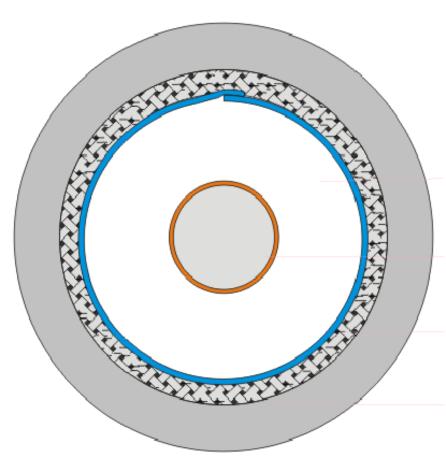
Characteristic Impedance	50 ±2 oh	ım	Attenuation (at 20 🛭)		
•			[MHz]	[Power kw]	[dB/100ft]
Capacitance	101 pF/m		30	0.230	3.90
Velocity ratio	66 %		50	0.180	5.10
DCR: Inner Conductor	266.0 ohm/k	cm	150	0.100	8.90
DCR: Outer Conductor	31.2 ohm/k	ĸm	220	0.083	10.90
Voltage withstand	2000 V RM	S	450	0.057	15.80
Jacket Spark	500 v rm	S	900	0.039	22.80
Insulation resistance	> 10,000 MΩ·km	ı	1500	0.029	30.10
Peak Power	0.6 kw		1800	0.027	33.20
Shielding Effectiveness	> 90 dB		2000	0.025	35.20
5 3			2500	0.022	39.80
VSWR	30-1000 MHz <1.15		5800	0.013	64.10
	1001-2500 MHz <1.20 2501-5800 MHz <1.25		8000	0.010	77.30





100 SERIES LOW LOSS COAXIAL CABLE

ATS-100



Insulation
Inner Conductor
Outer Conductor
Jacket