

400 SERIES LOW LOSS COAXIAL CABLE

ATS-400-PA#2457



> CONSTRUCTION SPECIFICATIONS

> MECHANICAL SPECIFICATIONS

Inner Conductor Conductor Dia. Min.Break Strength

Insulation Insulation Dia. Color

Centricity Adhesion

Shielding Foil overlap Dia

Outer Conductor

Dia. Coverage

Outer Dia Color Adhesion Solid CCA **2.74** +/-0.02mm 694 N

Foam P.E.
7.24 +/-0.10mm
Neutral
≥90%
10 to 100N @ 25mm

AL/P-Foil (Bonded)

≥115 % **7.39** +/0-10mm

TC Wire Braid **8.13** +/-0.10mm **94** +/0-3mm

LDPE 10.29 +/-0.20mm Black

150 to 400N @50mm

Min.Bending Radius:

 Installation
 12.7 mm

 Repeated
 50.8 mm

 Max.Pulling Tension
 245

Rated Temperature

Storage/operating temperature -40~+85 ②
Outdoor Installation -70~+85 ③

> ELECTRICAL SPECIFICATIONS

Characteristic Impedance		50 ± 2 ohm
Capacitance		78 pF/m
Velocity ratio		84 %
DCR: Inner Conductor		4.8 ohm/km
DCR: Outer Conductor		5.9 ohm/km
Voltage withstand		2500 v RMS
Jacket Spark		8000 V RMS
Insulation resistance		> 10,000 MΩ·km
Peak Power		16 kw
Shielding Effectiveness		> 90 dB
VSWR	300-1000 MHz	<1.15

1001-2500 MHz

2501-5800 MHz

Attenuation ((at 20 🛮)
---------------	-----------

[MHz]	[Power kw]	[dB/100ft]
30	3.33	0.70
50	2.57	0.90
150	1.47	1.50
220	1.20	1.90
450	0.83	2.70
900	0.58	3.90
1500	0.44	5.10
1800	0.40	5.70
2000	0.37	6.00
2500	0.33	6.80
5800	0.21	10.80
8000	0.17	13.00

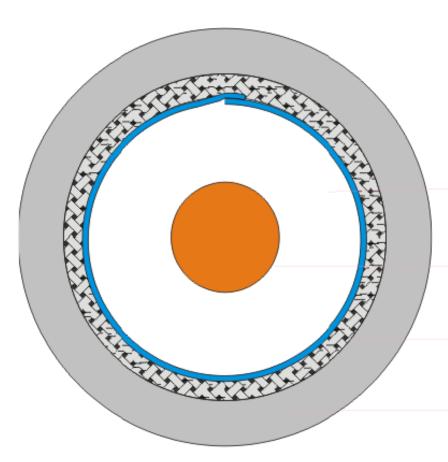
<1.20

<1.25



100 SERIES LOW LOSS COAXIAL CABLE

ATS-100A-PA#6009



Insulation
Inner Conductor
Outer Conductor
Jacket