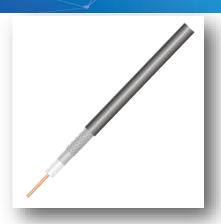


400 SERIES LOW LOSS COAXIAL CABLE

ATS-400



> 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.F. 7.24 +/-0.10mm Neutral 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

Attenuation (at 20 2)

Storage/operating temperature -40~+85 🛚 Outdoor Installation -70~+85 🖸

> 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 ĸw
Shielding Effectiveness		> 90 dB
VSWR	300-1000 MHz	<1.15

[6.41.1-]	[Darren land	[40/4004]
[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

0.17

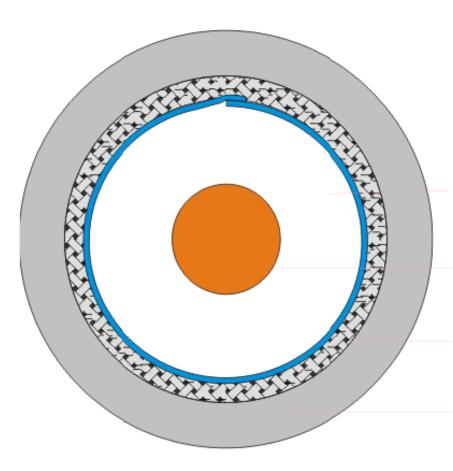
8000

13.00



400 SERIES LOW LOSS COAXIAL CABLE

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Insulation
Inner Conductor
Outer Conductor
Jacket