

240 SERIES LOW LOSS COAXIAL CABLE

ATS-240-PA#3449



> CONSTRUCTION SPECIFICATIONS

> MECHANICAL SPECIFICATIONS

Inner Conductor Conductor Dia.

Min.Break Strength

Insulation Insulation Dia. Color

Centricity Adhesion

ShieldingFoil overlap

Outer Conductor

Coverage

Jacket
Outer Dia
Color

BC **1.42** +/-0.02mm 728 N

Foam P.E. **3.81** +/-0.15mm Neutral ≥90% 10 to 100N @ 25mm

AL/P-Foil (Bonded)

≥115 %

TC Wire Braid **92** +/-3%

LDPE **6.10** +/-0.15mm Black Min.Bending Radius:

Installation 19 mm
Repeated 63.5 mm
Max.Pulling Tension 372N

Rated Temperature

 $\begin{array}{ll} \mbox{Installation/operating temperature} & -40^{+}85~^{\circ}\mbox{C} \\ \mbox{Storage temperature} & -70^{+}85~^{\circ}\mbox{C} \\ \end{array}$

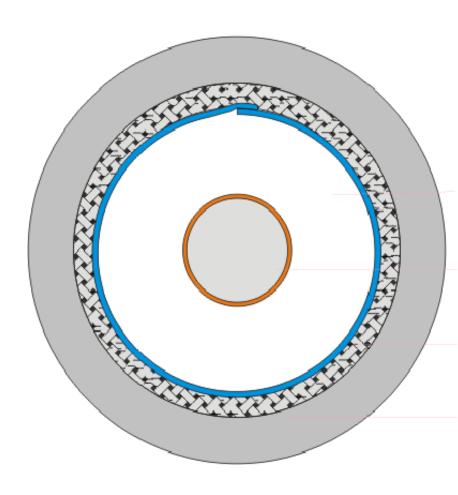
> ELECTRICAL SPECIFICATIONS

Characteristic Impedance		50 ± 2 ohm	Attauration (-		
			Attenuation (at 20 °C	J		
Capacitance		77.5 pF/m		[MHz]	[Power kw]	[dB/100ft]
Velocity ratio		84 %		30	1.49	1.34
DCR: Inner Conductor	<	11.0 ohm/km		50	1.15	1.74
DCR: Outer Conductor	<	13.5 ohm/km		150	0.66	3.02
Voltage withstand		5000 v RMS		220	0.54	3.66
Jacket Spark		1500 V RMS		450	0.38	5.27
Insulation resistance	> 10	,000 MΩ·km		900	0.26	7.55
Peak Power		5.6 ĸw		1500	0.20	9.88
Shielding Effectiveness		>90 dB		1800	0.18	10.86
				2000	0.17	11.50
VSWR	30-1000 MHz	<1.15		2500	0.15	12.92
	1001-2500 MHz	<1.20		5800	0.10	20.37
	2501-5800 MHz	<1.25		8000	0.08	24.30



100 SERIES LOW LOSS COAXIAL CABLE

ATS-100A-PA#6009



Insulation
Inner Conductor
Outer Conductor
Jacket