

# 240 SERIES LOW LOSS COAXIAL CABLE

ATS-240



### > CONSTRUCTION SPECIFICATIONS

## > MECHANICAL SPECIFICATIONS

**Inner Conductor** Conductor Dia. Min.Break Strength

Insulation Insulation Dia. Color Centricity Adhesion

Shielding Foil overlap

**Outer Conductor** Coverage

Jacket Outer Dia 1.42 +/-0.02mm 728 N

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

AL/P-Foil (Bonded)

≥115 %

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

**6.10** +/-0.15mm

Min.Bending Radius:

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

**Rated Temperature** 

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

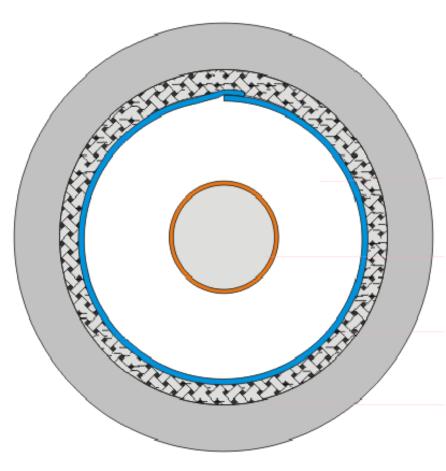
### > ELECTRICAL SPECIFICATIONS

Characteristic Impedance	50 ± 2 ohm	Attenuation (at 20 2)		
Capacitance	77.5 pF/m	[MHz]	[Power kw]	[dB/100ft]
Velocity ratio	84 %	30	1.49	4.40
DCR: Inner Conductor	<11.0 ohm/km	50	1.15	5.70
DCR: Outer Conductor	<13.5 ohm/km	150	0.66	9.90
Voltage withstand	5000 v rms	220	0.54	12.00
Jacket Spark	1500 v RMS	450	0.38	17.30
Insulation resistance	> 10,000 MΩ·km	900	0.26	24.80
Peak Power	5.6 ĸw	1500	0.20	32.40
Shielding Effectiveness	> 90 dB	1800	0.18	35.60
		2000	0.17	37.70
<b>VSWR</b>	30-1000 MHz <1.15	2500	0.15	42.40
	1001-2500 MHz <1.20	5800	0.10	66.80
	2501-5800 MHz <1.25	8000	0.08	79.70



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Insulation
Inner Conductor
Outer Conductor
Jacket