



240 SERIES LOW LOSS COAXIAL CABLE

ATS-240



> CONSTRUCTION SPECIFICATIONS

Inner Conductor	BC
Conductor Dia.	1.42 +/-0.02mm
Min.Break Strength	728 N
Insulation	Foam P.E.
Insulation Dia.	3.81 +/-0.15mm
Color	Neutral
Centricity	≥90%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥115 %
Outer Conductor	TC Wire Braid
Coverage	92 +/-3%
Jacket	LDPE
Outer Dia	6.10 +/-0.15mm
Color	Black

> MECHANICAL SPECIFICATIONS

Min.Bending Radius:	
Installation	19 mm
Repeated	63.5 mm
Max.Pulling Tension	372N
Rated Temperature	
Installation/operating temperature	-40~+85 ™
Storage temperature	-70~+85 ™

> ELECTRICAL SPECIFICATIONS

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



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