



195 SERIES LOW LOSS COAXIAL CABLE

ATS-195



> CONSTRUCTION SPECIFICATIONS

Inner Conductor	BC
Conductor Dia.	0.94 +/-0.02mm
Min.Break Strength	293 N
Insulation	Solid P.E.
Insulation Dia.	2.79 +/-0.10mm
Color	Neutral
Centricity	≥85%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥120 %
Outer Conductor	TC Wire Braid
Coverage.	90 +/-3mm
Braid Dia	3.35 +/-0-15mm
Jacket	PVC
Outer Dia	4.95 +/-0.15mm
Color	Black

> MECHANICAL SPECIFICATIONS

Min.Bending Radius:	
Installation	15 mm
Repeated	50 mm
Max.Pulling Tension	245
Crush resistance of cable (load of 700n)	<1%
Rated Temperature	
Storage/operating temperature	-40~+85 °C
Outdoor Installation	-70~+85 °C

> ELECTRICAL SPECIFICATIONS

Characteristic Impedance	50 ±2 ohm	Attenuation (at 20 °C)		
		[MHz]	[Power kw]	[dB/100ft]
Capacitance	83 pF/m	30 MHz	0.89	6.50
Velocity ratio	80 %	50 MHz	0.68	8.40
DCR: Inner Conductor	<26 ohm/km	150 MHz	0.39	14.60
DCR: Outer Conductor	<18 ohm/km	220 MHz	0.32	17.70
Voltage withstand	4000 V RMS	450 MHz	0.22	25.50
Jacket Spark	1500 V RMS	900 MHz	0.16	36.50
Insulation resistance	> 10,000 MΩ·km	1500 MHz	0.12	47.70
Peak Power	2.5 kW	1800 MHz	0.11	52.50
Shielding Effectiveness	> 90 dB	2000 MHz	0.10	55.40
		2500 MHz	0.09	62.40
		5800 MHz	0.06	98.10
VSWR				
	100-3000 MHz			<1.15
	3000-5800 MHz			<1.25



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