



600 SERIES LOW LOSS COAXIAL CABLE

ATS-600



> CONSTRUCTION SPECIFICATIONS

Inner Conductor	Solid CCA
Conductor Dia.	4.47 +/-0.02mm
Min.Break Strength	1729 N
Insulation	Solid P.E.
Insulation Dia.	11.56 +/-0.10mm
Color	Neutral
Centricity	≥90%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥115 %
Dia.	11.71 +/-0.10mm
Outer Conductor	TC Wire Braid
Dia.	12.45 +/-0.10mm
Coverage	90 +/-3%
Jacket	LDPE
Outer Dia	14.99 +/-0.20mm
Color	Black

> MECHANICAL SPECIFICATIONS

Min.Bending Radius:	
Installation	38 mm
Repeated	152 mm
Max.Pulling Tension	1624
Rated Temperature	
Installation/operating temperature	-40~+85 ™
Storage temperature	-70~+85 ™

> ELECTRICAL SPECIFICATIONS

Characteristic Impedance	50 ± 2 ohm	Attenuation (at 20 ™)		
		[MHz]	[Power kw]	[dB/100ft]
Capacitance	77 pF/m	30	5.51	0.40
Velocity ratio	85 %	50	4.24	0.50
DCR: Inner Conductor	1.7 ohm/km	150	2.41	1.00
DCR: Outer Conductor	3.9 ohm/km	220	1.97	1.20
Voltage withstand	4000 V RMS	450	1.35	1.70
Jacket Spark	8000 V RMS	900	0.93	2.50
Insulation resistance	> 10,000 MΩ.km	1500	0.70	3.30
Peak Power	40 KW	1800	0.63	3.70
Shielding Effectiveness	> 90 dB	2000	0.59	3.90
		2500	0.52	4.40
VSWR	30-1000 MHz	5800	0.32	7.30
	1001-2500 MHz	8000	0.26	8.80
	2501-5800 MHz			



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