



100 SERIES LOW LOSS COAXIAL CABLE

ATS-100



> CONSTRUCTION SPECIFICATIONS

Inner Conductor	Solid CCS
Conductor Dia.	0.46 +/-0.02mm
Min.Break Strength	128 N
Insulation	Solid P.E.
Insulation Dia.	1.52 +/-0.10mm
Color	Neutral
Centricity	≥90%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥115 %
Dia.	1.65 +/-0.10mm
Outer Conductor	TC Wire Braid
Dia.	2.11 +/-0.10mm
Coverage	94 +/-3%
Jacket	PVC
Outer Dia	2.79 +/-0.15mm
Color	Black

> MECHANICAL SPECIFICATIONS

Min.Bending Radius:	
Installation	6.4 mm
Repeated	25.4 mm
Max.Pulling Tension	78
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	101 pF/m	30	0.230	3.90
Velocity ratio	66 %	50	0.180	5.10
DCR: Inner Conductor	266.0 ohm/km	150	0.100	8.90
DCR: Outer Conductor	31.2 ohm/km	220	0.083	10.90
Voltage withstand	2000 V RMS	450	0.057	15.80
Jacket Spark	500 V RMS	900	0.039	22.80
Insulation resistance	> 10,000 MΩ·km	1500	0.029	30.10
Peak Power	0.6 kW	1800	0.027	33.20
Shielding Effectiveness	> 90 dB	2000	0.025	35.20
		2500	0.022	39.80
VSWR	30-1000 MHz	5800	0.013	64.10
	1001-2500 MHz	8000	0.010	77.30
	2501-5800 MHz			



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