



8561 Rayson Rd. Suite A, Houston, TX 77080

Product Data Sheet

Model Number / Part Number: ABR393/ 23393
 Description: 50 Ohm RG-393/U Teflon
 Suitable application: RF Communication / Government

Physical Characteristics	
Center Awg	7ga (0.094")
Stranding	7 Strand
Conductor Material	Silver
Dielectric Material	PTFE
Nominal Diameter	0.265"
Braid Awg	36
Braid Material	2X Silver
Braid Coverage	2 X 95%
Final Jacket Material	FEP
Overall Jacket	.390
Final Jacket Color	Tan

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	29.4 pF/foot
Velocity of Prop	69.5%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power (KW)
30	1.2	8.4
50	1.6	6.4
150	2.5	3.6
220	3.4	2.9
450	4.6	2.0
900	6.8	1.3
1500	9.2	1.0
1800	10.3	0.9
2000	10.9	0.8
2500	12.6	0.7
5800	21.5	0.5
8000	26.7	0.3

Applicable Standards	
UL Type	Available
ROHS Compliant	Yes

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Calculate Attenuation = $K1 \times \sqrt{F}$ + $K2 \times F$ (dB/100 feet) K1 Resistive Loss Constant. K2 is dielectric Loss constant F is Frequency is MHz
 Attenuation set at VSWR=1.0 ; Ambient = +25°C (77°F) Power: VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air;
 atmospheric pressure; no solar loading