



### Product Data Sheet

Model Number / Part Number: ABR400T/ 23400  
 Description: 50 Ohm RG-400/U Teflon  
 Suitable application: RF Communication / Government

Physical Characteristics	
Center Awg	19ga (0.039")
Stranding	19 Strand
Conductor Material	Silver
Dielectric Material	PTFE
Nominal Diameter	0..116"
Braid Awg	36
Braid Material	2X Silver
Braid Coverage	2 X 95%
Final Jacket Material	FEP
Overall Jacket	0..195"
Final Jacket Color	Tan

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	29.4 pF/foot
Velocity of Prop	69%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power (KW)
30	2.4	2.73
50	3.1	2.10
150	5.4	1.19
220	6.6	0.97
450	9.6	0.67
900	13.9	0.46
1500	16.3	0.34
1800	20.4	0.31
2000	21.5	0.29
2500	24.3	0.26
5800	39.6	0.15
8000	47.7	0.13

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