



8561 Rayson Rd. Suite A, Houston, TX 77080

Product Data Sheet

Model Number / Part Number: ABR316/ 23316
 Description: 50 Ohm RG-316/U Teflon
 Suitable application: RF Communication / Government

Physical Characteristics	
Center Awg	26ga (0.018")
Stranding	1 Solid
Conductor Material	Silver
Dielectric Material	PTFE
Nominal Diameter	0.060"
Braid Awg	36
Braid Material	Silver
Braid Coverage	95%
Final Jacket Material	FEP
Overall Jacket	0.102"
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	4.3	1.09
50	5.6	0.84
150	9.8	0.48
220	11.9	0.39
450	17.2	0.27
900	24.7	0.18
1500	32.3	0.14
1800	35.5	0.13
2000	37.6	0.12
2500	42.4	0.10
5800	66.9	0.06
8000	80.0	0.05

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