



8561 Rayson Rd. Suite A, Houston, TX 77080

Product Data Sheet

Model Number / Part Number: ABR213 / 2213A
 Description: 50 Ohm RG-213/U Type 2 Jacket
 Suitable application: RF Communication / Government

Physical Characteristics	
Center Awg	13ga (0.092")
Stranding	7 Strand
Conductor Material	Bare Copper
Dielectric Material	Solid PE
Nominal Diameter	0.285"
Braid Awg	36
Braid Material	Bare Copper
Braid Coverage	97%
Final Jacket Material	PVC-IIA
Overall Jacket	0.405"
Final Jacket Color	Black

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	30.8 pF/foot
Velocity of Prop	66%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power (KW)
30	1.0	1.95
50	1.4	1.49
150	2.4	0.83
220	3.0	0.68
450	4.5	0.45
900	6.6	0.30
1500	9.0	0.22
1800	10.0	0.20
2000	10.7	0.19
2500	12.3	0.16
5800	21.3	0.09
8000	26.5	0.07

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