



### Product Data Sheet

Model Number / Part Number: ABR58C / 24195  
 Description: 50 Ohm Low Loss RG-58C/U Mil Spec Type 2 JKT  
 Suitable application: Low Loss RF Communication

Physical Characteristics	
Center Awg	20ga (.0355")
Stranding	19 Strand
Conductor Material	Tinned Copper
Dielectric Material	Polyethylene
Nominal Diameter	.110"
Tape material	None
Braid Awg	36
Braid Material	Tinned Copper
Braid Coverage	96%
Final Jacket Material	Non-contaminating PVC
Nominal Thickness	.062"
Nominal Diameter	.195"
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	2.5	0.55
50	3.2	0.42
150	5.5	0.24
220	6.9	0.20
450	10.0	0.13
900	14.5	0.09
1500	19.1	0.07
1800	21.1	0.06
2000	22.4	0.06
2500	25.4	0.05
5800	41.1	0.03

Applicable Standards	
UL Type	N/A
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