



Product Data Sheet

Model Number / Part Number: ABR195W-UF / 24195W-UF
 Description: 50 Ohm Low Loss 195 Size Type 2 JKT – White
 Suitable application: Low Loss RF Communication

Physical Characteristics	
Center Awg	18
Stranding	7 strand
Conductor Material	Bare Copper
Dielectric Material	Gas Injected Foam Polyethylene
Nominal Diameter	.110"
Tape material	Bonded Aluminum/polyester/aluminum tape
Braid Awg	36
Braid Material	Tinned Copper
Braid Coverage	95%
Final Jacket Material	Non-contaminating PVC
Nominal Thickness	.028"
Nominal Diameter	.195"
Final Jacket Color	White

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	25.4 pF/foot
Velocity of Prop	77%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power(KW)
30	2.0	0.70
50	2.5	0.54
150	4.4	0.31
220	6.4	0.28
450	7.8	0.18
900	13.2	0.12
1500	17.3	0.10
1800	19.0	0.09
2000	20.1	0.08
2500	22.6	0.07
5800	35.6	0.05

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