



Product Data Sheet

Model Number / Part Number: ABR600 / 24600
 Description: 50 Ohm Low Loss 600 Size Type 1 JKT – Black
 Suitable application: Low Loss RF Communication

Physical Characteristics	
Center Awg	7ga (0.176")
Stranding	1 Solid
Conductor Material	Bare Copper Clad Aluminium
Dielectric Material	Gas Injected Foam Polyethylene
Nominal Diameter	.455"
Tape material	Bonded Aluminum/polyester/aluminum tape
Braid Awg	36
Braid Material	Tinned Copper
Braid Coverage	Foil + 95%
Final Jacket Material	Non-Contaminating PVC
Overall Braid	.490"
Overall Jacket	.590"
Final Jacket Color	Black

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	23.4 pF/foot
Velocity of Prop	85%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power (KW)
30	0.4	5.51
50	0.5	4.24
150	1.0	2.41
220	1.2	1.97
450	1.7	1.35
900	2.5	0.93
1500	3.3	0.70
1800	3.7	0.63
2000	3.9	0.59
2500	4.4	0.52
5800	7.3	0.32
8000	8.8	0.26

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