



Product Data Sheet

Model Number / Part Number: ABR400 / 24400F
 Description: 50 Ohm Low Loss 400 Size Type 3A JKT – Black
 Suitable application: Low Loss RF Communication

Physical Characteristics	
Center Conductor	.108"
Stranding	Solid CCA
Conductor Material	Copper/Aluminum
Dielectric Material	Gas Injected Foam Polyethylene
Nominal Diameter	.295"
Tape material	Bonded Aluminum/polyester/aluminum tape
Braid Awg	36
Braid Material	Tinned Copper
Braid Coverage	Foil + 95%
Final Jacket Material	Type 3A PE
Nominal Thickness	.028"
Nominal Diameter	.405"
Final Jacket Color	Black

Nominal Attenuation	
Impedance:	50 Ohms
Capacitance	23 pF/foot
Velocity of Prop	86%

Attenuation / Average Power		
Frequency (MHz)	Nom db/100	Average Power (KW)
30	0.7	3.33
50	0.9	2.57
150	1.5	1.47
220	1.9	1.20
450	2.7	0.83
900	3.9	0.58
1500	5.1	0.44
1800	5.7	0.40
2000	6.0	0.37
2500	6.8	0.33
5800	10.8	0.21
8000	13.0	0.17

Applicable Standards	
UL Type	N/A
ROHS Compliant	Yes

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Calculate Attenuation = K1 x sqrt(F) + K2 x 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