

Type	AFC (Flexible Foam Dielectric)	
Nominal Size	7/8"	
Impedance, Ohms	50	
Construction Characteristics		Attenuation, dB/100ft (dB/100M)
Inner conductor/Diameter, in(mm)	Copper Tube (Smooth) 0.355	30 Mhz 0.19 (0.646) 150 Mhz 0.45 (1.50) 450 Mhz 0.83 (2.74) 824 Mhz 1.17 (3.84)
Dielectric/Diameter, in(mm)	Foam Polyethylene 0.930 (23.6)	894 Mhz 1.23 (4.04) 960 Mhz 1.28 (4.02) 1000 Mhz 1.31 (4.30) 1500 Mhz 1.66 (5.45)
Outer conductor/Diameter, in(mm)	Copper Corrugated 0.980 (24.9)	1850 Mhz 1.88 (6.16) 2000 Mhz 1.97 (6.46)
Standard jacket/Diameter, in(mm)	Black Polyethylene 1.09 (28.0)	Average power Rating, kW 30 Mhz 14.0 150 Mhz 6.04 450 Mhz 3.32 824 Mhz 2.36 894 Mhz 2.25 960 Mhz 2.16 1000 Mhz 2.11 1500 Mhz 1.66 1850 Mhz 1.47 2000 Mhz 1.40
Mechanical Characteristics		
Minimum Bend Radius, in(mm)	6.0 (152.4)	
Bending Moment, ft-lbs (N - m)	12.0 (16.3)	
Tensile Strength, lbs(kg)	325 (147)	
Flat plate Crush strength, lbs (kg/mm)	80 (1.4)	
Weight, lbs/ft (kg/m)	0.33 (0.48)	
Recommended Storage Temperature, °F (°C)		
Standard jacket	(-94) to +185 ((-70) to +85)	
Recommended Operating Temperature, °F (°C)		
Standard jacket	(-40) to +185 ((-40) to +85)	

Electrical Characteristics

Impedance, Ohms	50+/-1
Relative Velocity of propagation, %	89
Maximum Operating Frequency, Mhz	5000
Peak Power Rating, kW	91.0
DC Breakdown, Volts	6000
Jacket Spark, Volts RMS	8000
DC Resistance, inner Conductor, Ohms/kft (Ohms/km)	0.32 (1.05)
DC Resistance, outer Conductor, Ohms/kft (Ohms/km)	0.32 (1.05)

