

AAF-11-ST

1-1/4" Standard Cable



Electrical Characteristics											
Impedance		50Ω									
Max Operating Frequency		3 GHz									
Cut-off Frequency		3.7 GHz									
Velocity		87%									
Capacitance		77 p F/m									
RF Peak Power Rating		205 kW									
Peak Voltage		4300 V									
Dielectric Strength		10.0 kV									
Resistance	Inner Conductor	≤ 1.25 Ω/km									
	Outer Conductor	≤ 0.87 Ω/km									
	Insulation	> 1x10 ⁴ MΩ/km									
VSWR	800-1000 MHz	1.15									
	1700-2500 MHz	1.18									
	2500-3000 MHz	1.20									
Frequency (MHz)		450	800	900	1000	1500	1800	2000	2200	2500	3000
Attenuation (20° C)	at 100 m	1.94 dB	2.66 dB	2.87 dB	3.04 dB	3.87 dB	4.29 dB	4.58 dB	4.91 dB	5.24 dB	5.85 dB
	at 100 ft	5.22 dB	3.78 dB	3.69 dB	3.32 dB	2.62 dB	2.35 dB	2.21 dB	2.20 dB	1.92 dB	1.72 dB
Mechanical and Environmental Characteristics											
Bend Radius (min)	Single	200 mm									
	Repeated	380 mm									
Tensile Strength		2500 N									
Cable Weight		760 kg/km									
Operating Temperature		-55° C to +85° C (-67° F to +85° F)									
Installation Temperature		-40° C to +60° C (-40° F to +140° F)									
Construction		Material								Diameter	
Inner Conductor		Copper Tube								13.1 ± 0.10 mm	
Insulation		Foamed Polyethylene (PE)								32.5 ± 0.25 mm	
Outer Conductor		Annular Corrugated Copper Tube								35.8 ± 0.30 mm	
Jacket		LLDPE (wall thickness > 1.2 mm)								38.8 ± 0.30 mm	

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.