

## AAF-8U-ST

### 2/5" RG8/U Coaxial Cable



Electrical Characteristics									
Impedance		50±2Ω							
Frequency		DC-3 GHz							
Cut-off Frequency		17.0 GHz							
Velocity		85%							
Capacitance		80 p F/m							
RF Peak Power Rating		15.6 kW							
Peak Voltage		1400 V							
Shielding Attention		88							
Insulation Resistance		> 1x10 <sup>4</sup> MΩ/km							
VSWR	DC-800 MHz	1.2							
	800-1000 MHz	1.2							
	100-2600 MHz	1.2							
Frequency (MHz)		150	450	900	1500	1800	2000	2500	3000
Attenuation (20° C)	at 100 m	5.12 dB	9.70 dB	14.0 dB	19.2 dB	21.25 dB	22.40 dB	25.4 dB	28.87 dB
Attenuation and average power (maximum attenuation value shall be 105% of the nominal attenuation value)									
Mechanical and Environmental Characteristics									
Bend Radius (min)	Single	25 mm							
	Repeated	55 mm							
Tensile Strength		400 N							
Temperature	Storage	-25° C to +70° C (-13° F to +158° F)							
	Installation	-20° C to +60° C (-4° F to +140° F)							
	Operating	-20° C to +60° C (-4° F to +140° F)							
Construction		Material				Diameter			
Inner Conductor		CCA				2.74 ± 0.02 mm			
Insulation		Foamed Polyethylene (PE)				7.3 ± 0.2 mm			
Outer Conductor		Tinned Copper				8.0 ± 0.15 mm			
Jacket		LLDPE (wall thickness > 0.7 mm)				10.16 ± 0.2 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.