



## 7/8" Feeder Cable (Aluminum)

- The high Performance of attenuation allows co-axial cable to be used in different RF systems , such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others .
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Copper Tube	9.1 mm
Dielectric	Foamed PE	22.5 mm
Outer Conductor	Corrugated Aluminum tube	24.8 mm
Jacket	PE	27.5 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	5 GHz/ 5.3 GHz	
Impedence	50Ω	
Nominal Capacitance	76 p F/m	
Maximum Operating Frequency	5 GHz	
Peak power	90 KW	
Inner conductor DC-Resistance	≤2.0 Ω/Km	
Outer conductor DC-Resistance	≤1.20 Ω/Km	
Inductance	0.190 μH/m	
DC breakdown voltage	6000 V	
Mechanical & Environmental Specification		
Max. Tensile Force	1470 N	
Flat Plate Crush Strength	11N/mm	
Min. Bending Radius (single)	100 mm	
Min. Bending Radius (repeated)	250 mm	
Storage Temperature	-70 ~ 85°C	
Installation Temperature	-40 ~ 60°C	
Operating Temperature	-55 ~ 85°C	
RoHS	Compliant	

Frequency (MHz)	Attenuation & Average Power	
	dB/100 m	kw
100	1.24	6.3
450	2.76	2.83
800	3.79	2.03
900	4.05	1.92
1000	4.3	1.83
1800	6	1.29
1900	6.2	1.27
2100	6.57	1.20
2200	6.75	1.17
2500	7.27	1.08
2700	7.6	1.04
3000	8.1	0.94

VSWR	
800 ~ 1000 MHz	≤ 1.1
1700-2200MHz	≤ 1.13