

Dhruv Telecom



7/8" Feeder Cable (Aluminum)

CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Copper Tube	9.1mm
Dielectric	Foamed PE	22.5mm
Outer Conductor	Corrugated Aluminum tube	24.8mm
Jacket	PE	27.5mm
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

Plot No.29/29-A, Kh.No.10/10, Yadav Park, Opposite Samsan Ghaat Najafgarh road , pole no.MOKD047, Nangloi, New Delhi-110041