

1/4" FEEDER CABLES

DS No.:10109VI REV: 00

Features:

- 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 less energy loss and outer interference

CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Copper Clad Aluminium wire	2.60±0.10 mm
Insulation	3 layers of Insulation	6.35 ±0.30 mm
Outer Conductor	Corrugated Copper tube	7.75 ±0.25 mm
Jacket	PE	8.8 ±0.20 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	15.8 GHz	
Impedence (Ω)	50Ω	
Nominal Capacitance	76.8 p F/m	
Nominal Inductance	0.19 Ω /Km	
Outer conductor DC Resistance	5.45 Ω /Km	
DC Break down Voltage	2.2KV	
PIM	< -160 dBc	
Peak Power Rating	12.1 Kw	
Velocity of Propagation (%)	84%	
Shielding Effectiveness	>120	
Mechanical & Environmental Specification		
Max. Tensile Force	910N	
Min. Bending Radius (single)	30 mm	
Min. Bending Radius (repeated)	76 mm	
Storage Temperature	-70 ~ 85°C	
Installation Temperature	-40 ~ 60°C	
Operating Temperature	-55 ~ 85°C	
Weight (Kg / KM)	155 / 170	
RoHS	Compliant	

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Frequency Attenuation & Average		
Power		
(MHz)	dB/100 m	kw
100	4.05	1.79
450	8.88	0.82
690	11.17	0.69
800	12.1	0.6
900	12.8	0.57
1000	13.6	0.53
1800	18.9	0.38
2000	20	0.36
2200	21.08	0.34
2400	22.14	0.33
2500	22.66	0.32
2600	23.19	0.31
2700	23.7	0.3

VSWR	
820 ~ 960 MHz	≤1.12
1700 ~ 2200 MHz	≤1.12
2300 ~2400 MHz	≤1.12
2500 ~2690 MHz	≤1.15