

## 1/4" Super Flex



- 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 Clad Aluminum wire	1.88 mm
Dielectric	Foamed PE	4.6 mm
Outer Conductor	Corrugated Copper tube	6.5 mm
Jacket	PE	7.7 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	25 GHz	
Impedence (Ω)	50Ω	
Nominal Capacitance	78 p F/m	
Maximum Operating Frequency	20.4 GHz	
Peak power	90 KW	
Inner conductor DC-Resistance	≤10.5 Ω/Km	
Outer conductor DC-Resistance	≤6.5 Ω/Km	
Inductance	0.195 μH/m	
DC breakdown voltage	1600 V	
Jacket Spark Voltage (rms)	5000 V	
Mechanical & Environmental Specification		
Max. Tensile Force	350 N	
Flat Plate Crush Strength	8 N/mm	
Min. Bending Radius (single)	12.5 mm	
Min. Bending Radius (repeated)	25 mm	
Storage Temperature	-70 ~ 85°C	
Installation Temperature	-40 ~ 60°C	
Operating Temperature	-55 ~ 85°C	
RoHS	Compliant	

Frequency (MHz)	Attenuation dB/100 m	Average Power kw
100	5.6	1.13
450	12.3	0.52
800	16.8	0.39
900	17.9	0.37
1000	19	0.35
1800	26.3	0.25
1900	27.2	0.24
2100	28.7	0.233
2200	29.5	0.23
2500	30.2	0.223
2700	31.7	0.21
3000	33.2	0.20

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