

1-5/8" 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	Helically Corrugated Copper Tube	18.1 mm
Dielectric	Foamed PE	43.6 mm
Outer Conductor	Annularly Corrugated Copper tube	46.6 mm
Jacket	Halogen Free/Flame Retardant Jacket	50.0 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	25 GHz	
Insulation Resistance	10,000 MΩ. KM	
Dielectric Strength	DC 11000 V	
Propagation Velocity	92 %	
Peak power Rating	302 kw	
Inner conductor DC-Resistance	1.4 Ω/Km	
Outer conductor DC-Resistance	0.6 Ω/Km	
Return Loss (Typical Value)	28 dB	
Mechanical & Environmental Specification		
Max. Pulling Force	181 kg	
Flat Plate Crush Strength	1.6 kg/mm	
Min. Bending Radius (single)	500 mm	
Operating Temperature (Standard Jacket)	-40 ~ 80°C	
Operating Temperature (Halogen free)	-30 ~ 80°C	
RoHS	Compliant	

Frequency (MHz)	Attenuation & Average Power	
	dB/100 m	kw
30	0.35	25.98
100	0.65	13.95
150	0.80	11.28
450	1.44	6.26
824	2.02	4.49
894	2.11	4.29
960	2.20	4.12
1000	2.25	3.55
1700	3.05	2.97
1800	3.16	2.88
2000	3.36	2.70
2400	3.74	2.43
2700	-	-
3000	-	-
3500	-	-