

1/2" SUPER FLEX CABLES

DS No.:10108VI 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	3.60±0.10 mm
Insulation	3 layers of Insulation	9.70 ±0.30 mm
Outer Conductor	Corrugated Copper tube	11.95 ±0.25 mm
Jacket	PE	13.40 ±0.20 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	10.2 GHz	
Impendence (Ω)	50Ω	
Nominal Capacitance	83 p F/m	
Inner conductor DC Resistance	2.95 Ω /Km	
Outer conductor DC Resistance	5.45 Ω /Km	
PIM	< -160 dBc	
Inductance	0.195 μH/m	
Velocity of Propagation (%)	81%	
Shielding Effectiveness	>120	
Mechanical & Environmental Specification		
Min. Bending Radius (single)	25 mm	
Min. Bending Radius (repeated)	30 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
150	4.21	2.51
450	7.55	1.41
800	10.3	1
900	11.09	0.96
1800	16.5	0.62
2000	17.5	0.6
2500	20	0.53
3000	22.2	0.47

VSWR	
800 ~ 1000 MHz	1.1
1700 ~ 2200 MHz	1.13
2500 ~ 2700 MHz	1.15