

SUY-50-105(5")



Cable type

SUY-50-105(5") Air Dielectric Cable

Low attenuation & VSWR transmission line used for mobile communication system, microwave relay communication, satellite earth station, radar etc.

VSWR	VSWR	Attenuation dB/100m	Power Ratings kW
526.5kHz ~ 1606.5kHz	≤1.06	0.036	200
87MHz ~ 108MHz	≤1.08	0.305	60
1CH ~ 12CH channel	≤1.10	0.416	40
1MHz ~ 30MHz	≤1.10	0.165	80

Test Conditions:For attenuation: VSWR 1.0, cable temperature 20°C(68°F),atmospheric pressure, dry air.For average power: VSWR1.0, ambient temperature 40 °C(104°F), inner conductor temperature 115°C(239°F), atmospheric pressure, dry air, no solar loading.

Attn: Practical operating power rating depends on the ambient environment and conditions.

Physical Dimensions

Inner Conductor	Helix Corrugated Copper Tube	45.0mm
Dielectric	Fluoroplastic gasket	98.1mm
Outer Conductor	Helix Corrugated Copper Tube	109.3mm
Jacket	PE	115.1mm
Cable Weight		5400kg/km
Minimum Bending Radius, Single		500mm
Minimum Bending Radius, Multiple		1200mm
Permissible Temperature Range, Installation		-40°C ~ +60°C
Permissible Temperature Range, Operation		-45°C ~ +85°C

Electrical Characteristics

Impedance		50Ω±1Ω
Velocity		96%
Maximum Operating Frequency		0.5GHz
Stop Frequency		0.8GHz
Peak Power Rating		1560kW
DC Breakdown Voltage		12.5kV
DC- Resistance		
	Inner Conductor	0.31Ω/km
	Outer Conductor	0.094Ω/km
Capacitance		70pF/m

Connectors

Interface	P/N
3-1/8" EIA	IF110Q-J (K) 139
4-1/2" EIA	IF140Q-J (K) 139

Package drum

Iron-wood drum	3200×3200×2250mm	400m
	3200×3200×1910mm	300m

Dehydrator

