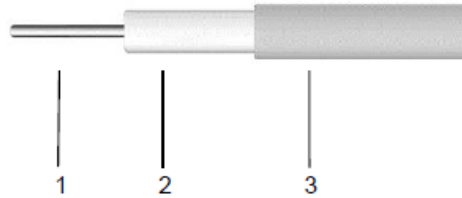


SCTS-CN086

High Performance Low-Loss Cupronickel Semi-Rigid Cable

Features&Benefits

- Solid PTFE Core
- Ultra Low Operating Temperature
- Ultra-low Thermal Conductivity



Construction Specification

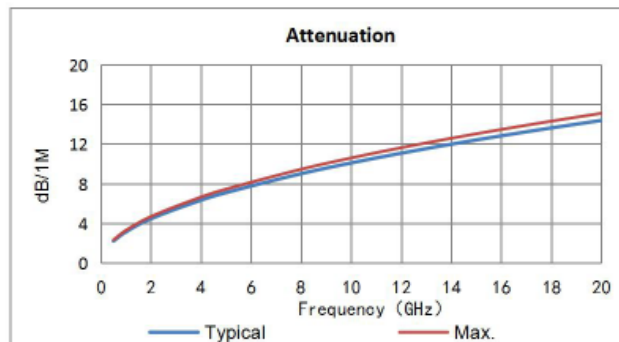
	Description	Size (mm)	Tol.	Material
1	Center conductor	0.51	±0.01	Cupronickel
2	Dielectric	1.68	±0.03	Solid PTFE
3	Outer conductor	2.18	±0.03	Seamless Cupronickel Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	11
Bend Radius:repeated (mm)	N/A
Weight (g/m)	19
Temp, Operating&Installation (°C)	-270~125

Electrical Specifications

Operation Frequency (GHz)	20
Impedance (Ohms)	50
Velocity of Propagation	70%
Voltage Withstand (V,DC)	2000



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	500	1000	2000	4000	5000	8000	10000	12000	14000	16000	18000	20000
dB/ m	2.2	3.2	4.5	6.4	7.1	9.0	10.1	11.1	12.0	12.9	13.7	14.4

K1= 0.09943

K2= 0.0000177

Calculate Attenuation= $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$