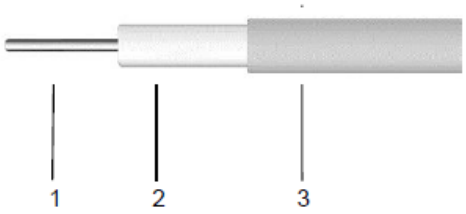
SC034-CuNi

High Performance Low-Loss Cupronickel Semi-Rigid Cable

Features&Benefits

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



Construction Specification

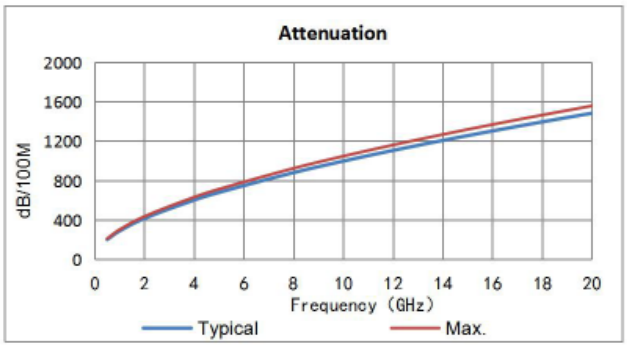
	Description	Size（mm）	Tol.	Material
1	Center conductor	0.20	±0.01	Silver Plated Cupronickel
2	Dielectric	0.66	±0.02	Solid PTFE
3	Outer conductor	0.86	±0.02	Seamless Cupronickel Tube

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	4
Bend Radius:repeated (mm)	N/A
Weight (g/m)	3
Temp, Operating&Installation (℃)	-270~125

Electrical Specifications

Operation Frequency (GHz)	20
Impedance (Ohms)	50
Velocity of Propagation	70%
Voltage Withstand (V,DC)	300



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/100 m	202	289	416	604	681	883	1000	1108	1210	1307	1399	1487

K1= 24.31603 K2= 0.00106

Calculate Attenuation= K1*√FMhz+K2*FMHz