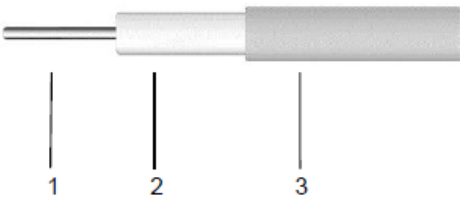
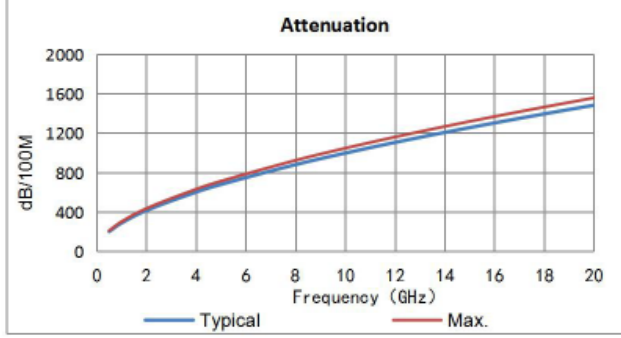


# SCTS-SCN034

## High Performance Low-Loss Cupronickel Semi-Rigid Cable

Features&Benefits												
<ul style="list-style-type: none"> <li>Solid PTFE Core</li> <li>Ultra Low Operating Temperature</li> <li>Ultra-low Thermal Conductivity</li> </ul>												
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		Electrical Specifications										
Bend Radius:installation (mm)	4	Operation Frequency (GHz)	20									
Bend Radius:repeated (mm)	N/A	Impedance (Ohms)	50									
Weight (g/m)	3	Velocity of Propagation	70%									
Temp, Operating&Installation (°C)	-270~-125	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												