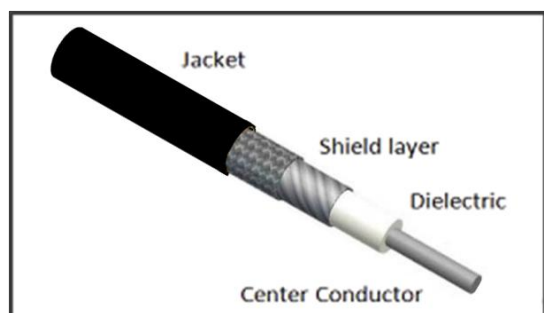


Cable Structure & Material



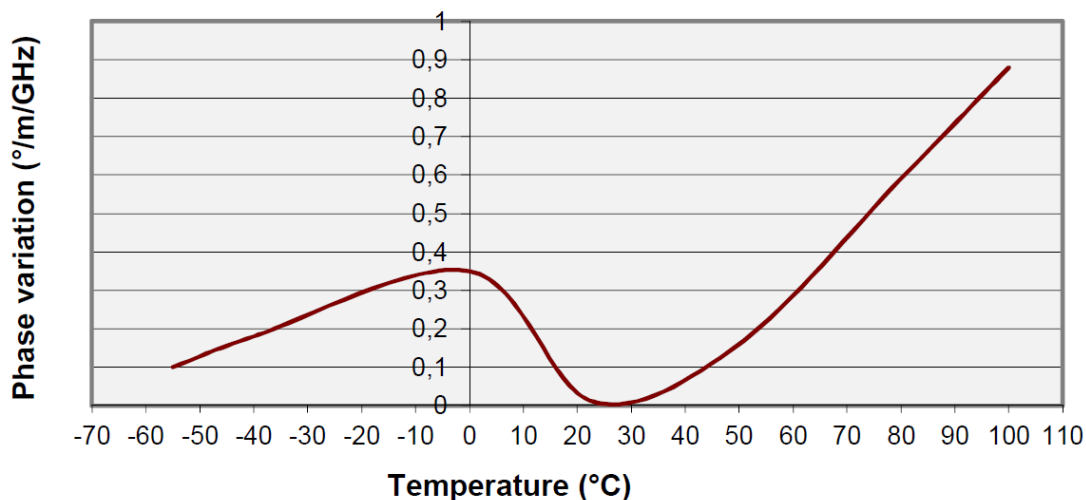
- Center conductor : silver plated copper (Solid)
- Dielectric core : low density PTFE tape
- Inner shield: silver plated copper tape
- Outer shield : silver plated copper braid
- Jacket : FEP (Black)

Specifications

Physical & Environmental Specification		Attenuation [dB/m]	
Frequency range	DC to 18 GHz	1 GHz	0.15
Center Conductor [mm]	2.30 ±0.05	3 GHz	0.26
Inner shield(SPC tape) [mm]	6.38 ±0.05	6 GHz	0.37
Outer shield(SPC braid) [mm]	7.00 ±0.05	10 GHz	0.48
Out diameter(Jacket) [mm]	7.80 ±0.1	12 GHz	0.55
Minimum bend radius (Min.)	48.5	18 GHz	0.70
Weight [g/m]	130	Power Handling [W] @ + 25 °C (Sea level)	
Temperature range	-55 ~ 180 °C	1 GHz	1600
Electrical Specification		2 GHz	1131
Impedance	50 Ω	4 GHz	800
Velocity of propagation	84% nom.	8 GHz	566
Dielectric constant	1.4	12 GHz	455
RF leakage	-90 dB	18 GHz	375
Time delay [ns/m]	4.0		
Capacitance [pF/m]	80		
Phase stability vs. flexure [@18GHz max.]	0.4°		
IL stability vs. flexure [dB @minimum BR]	±0.05		
Phase stability vs. temp. [deg/GHz/m](-40~80 °C)	< 1 °		

Cable Phase Stability with Temperature

Typ. phase variation with temperature



Typ. phase variation with temperature

