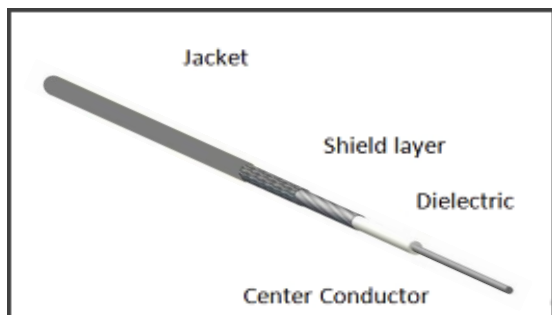


## Cable Structure & Material



- 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 [Grey / BLK]

## Specifications

Physical & Environmental Specification		Attenuation [dB/m]	
Frequency range [Available max.]	DC to 18 GHz [50GHz]	1 GHz	0.62
Center Conductor [mm]	0.51 ±0.005	2 GHz	0.90
Inner shield(SPC tape) [mm]	1.70 ±0.05	6 GHz	1.28
Outer shield(SPC braid) [mm]	1.98 ±0.05	10 GHz	1.86
Out diameter(Jacket) [mm]	2.42 ±0.15	12 GHz	2.36
Minimum bend radius (Min.)	10	18 GHz	2.91
Weight [g/m]	14	Power Handling [W] @ + 25 °C (Sea level)	
Temperature range	-60~ 180 °C	1 GHz	260
Electrical Specification		2 GHz	180
Impedance	50 Ω	4 GHz	130
Velocity of propagation	76% nom.	8 GHz	90
Dielectric constant	1.7	12 GHz	75
RF leakage	-90 dB	18 GHz	60
Time delay [ns/m]	4.4		
Capacitance [pF/m]	87		
Phase stability vs. flexure [@18GHz max.]	0.4 °		
IL stability vs. flexure [dB @minimum BR]	±0.05		
Phase stability vs. temp. [deg/GHz/m](-40~90 °C)	< 3 °		

## Cable Phase Stability with Temperature

