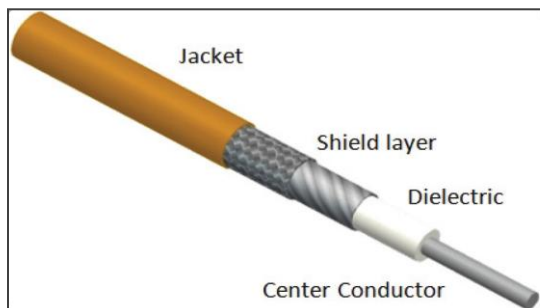


### Cable Structure & Material



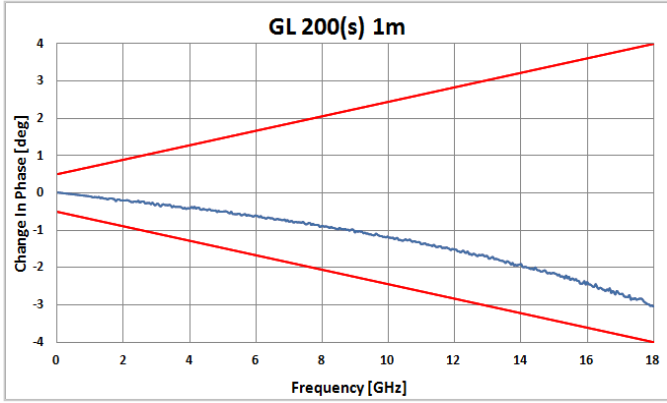
- Center conductor : silver plated copper
- Dielectric core : low density PTFE (extruded)
- Inner shield: silver plated copper tape
- Outer shield : silver plated copper braid
- Jacket : FEP

### Specifications

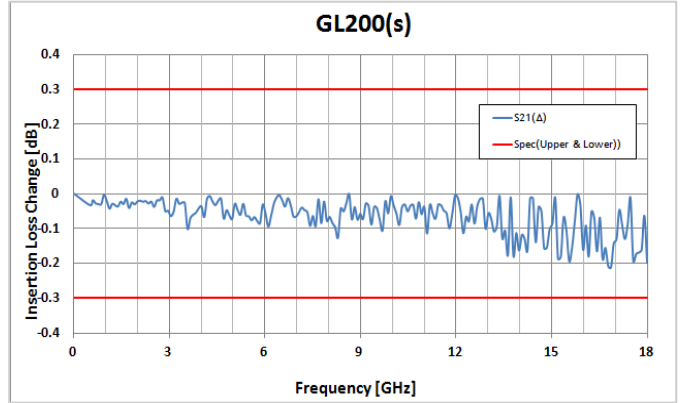
Physical & Environmental Specification		Attenuation [dB/m]	
Frequency range	DC to 18 GHz	1 GHz	0.22
Center Conductor [mm]	1.39	3 GHz	0.40
Inner shield (1 <sup>st</sup> Outer shield)	4.45 ± 0.10mm	6 GHz	0.58
Outer shield (2 <sup>nd</sup> Outer shield)	4.87 ± 0.15mm	10 GHz	0.78
Out diameter [mm]	5.70± 0.15mm	12 GHz	0.87
Minimum bend radius (Min.)	29.2	18 GHz	1.10
Weight [g/m]	70	<b>Power Handling [W] @ +25 °C (Sea level)</b>	
Temperature range	-55 ~ 135 °C	1 GHz	1040
<b>Electrical Specification</b>		2 GHz	735
Impedance	50 Ω	6 GHz	424
Velocity of propagation	77% nom.	12 GHz	300
Dielectric constant	1.7	18 GHz	245
RF leakage	-90 dB		
Time delay [ns/m]	4.35		
Capacitance [pF/m]	85		
Phase stability vs. flexure [@18GHz max.]	4 °		
IL stability vs. flexure [dB @minimum BR]	±0.3		
Phase stability vs. temp. [deg/GHz/m](-40~80 °C)	< 2 °		

## Cable Insertion & Phase Stability with Flexure

Phase Change

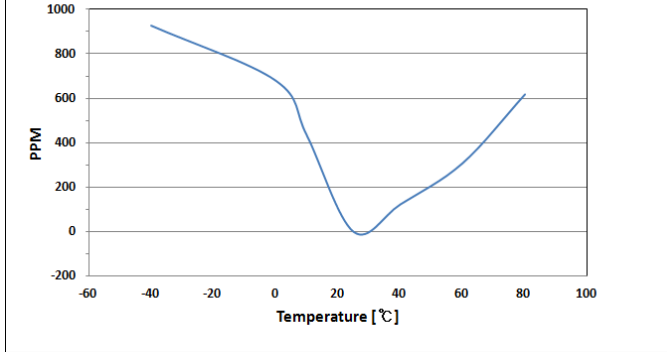


Insertion Loss Change

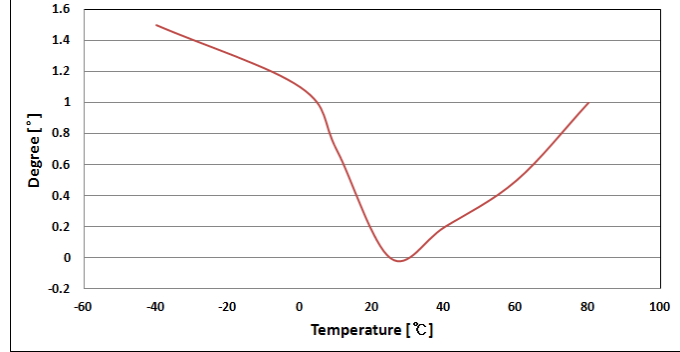


## Cable Phase Stability with Temperature

Phase change GL200(s) [PPM]

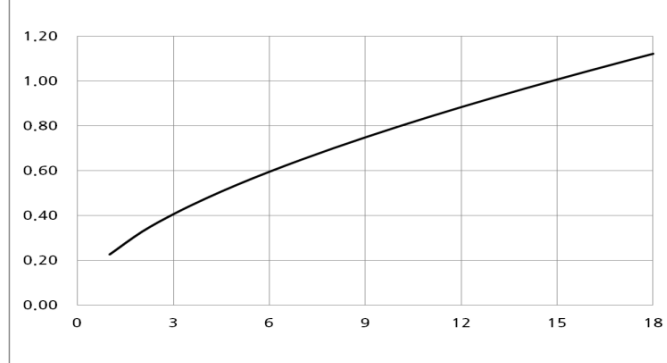


Phase change GL200(s) [deg/GHz/m]



## Attenuation & Power

Attenuation [dB/m]



Average Power Rating [W]

