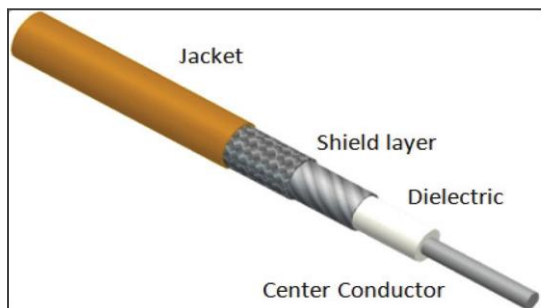


Cable Structure & Material



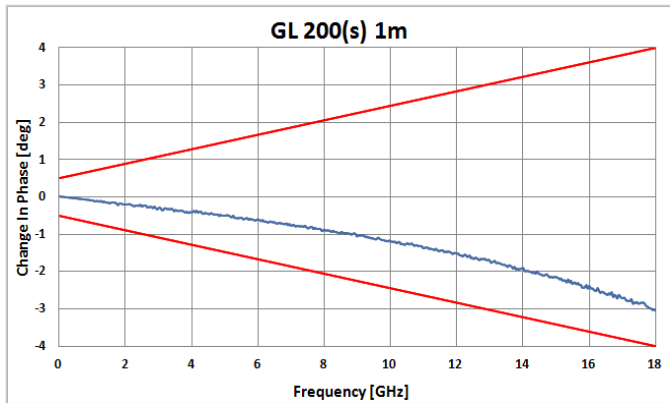
- Center conductor : silver plated copper
- Dielectric core : low density PTFE (extruded)
- Inner shield: silver plated copper tape
- Outer shield : silver plated copper braid
- Jacket : FEP

Specifications

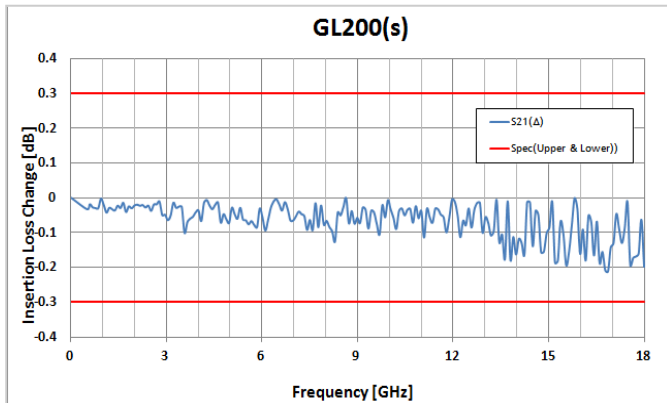
Physical & Environmental Specification		Attenuation [dB/m]	
Frequency range	DC to 18 GHz	1 GHz	0.24
Center Conductor [mm]	19 / 0.3	3 GHz	0.43
Inner shield (1 st Outer shield)	4.45 ± 0.10mm	6 GHz	0.63
Outer shield (2 nd Outer shield)	4.87 ± 0.15mm	10 GHz	0.89
Out diameter [mm]	5.70± 0.15mm	12 GHz	0.98
Minimum bend radius (Min.)	29.2	18 GHz	1.22
Weight [g/m]	70	Power Handling [W] @ + 25 °C (Sea level)	
Temperature range	-55 ~ 135 °C	1 GHz	982
Electrical Specification		2 GHz	694
Impedance	50 Ω	6 GHz	401
Velocity of propagation	77% nom.	12 GHz	283
Dielectric constant	1.7	18 GHz	231
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

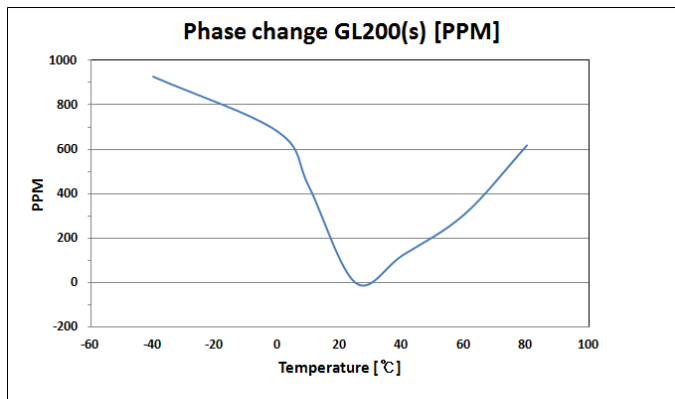


Insertion Loss Change

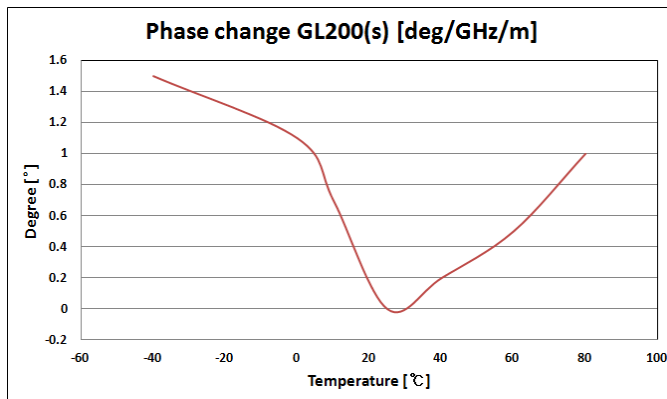


Cable Phase Stability with Temperature

Phase change GL200(s) [PPM]

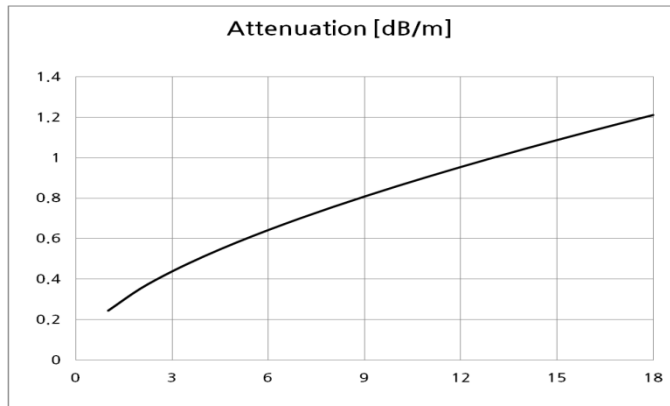


Phase change GL200(s) [deg/GHz/m]



Attenuation & Power

Attenuation [dB/m]



Average Power Rating [W]

