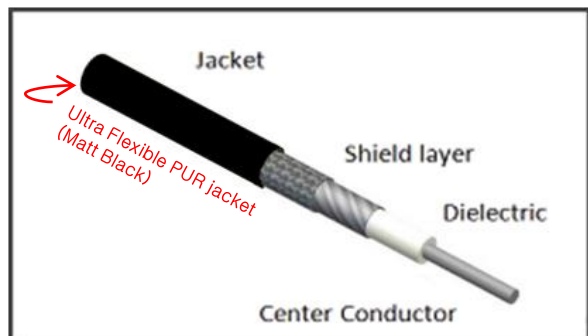


Cable Structure & Material



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

Specifications

Physical & Environmental Specification

Frequency range	DC to 18 GHz
Center Conductor [mm]	19 / 0.2
Out diameter [mm]	4.75 ± 0.15
Minimum bend radius (Min.)	19.5
Weight [g/m]	42
Temperature range	-40 ~ 100 °C

Electrical Specification

Impedance	50 Ω
Velocity of propagation	77% nom.
Dielectric constant	1.7
RF leakage	<-90 dB
Time delay [ns/m]	4.35
Capacitance [pF/m]	86
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 °

Attenuation [dB/m]

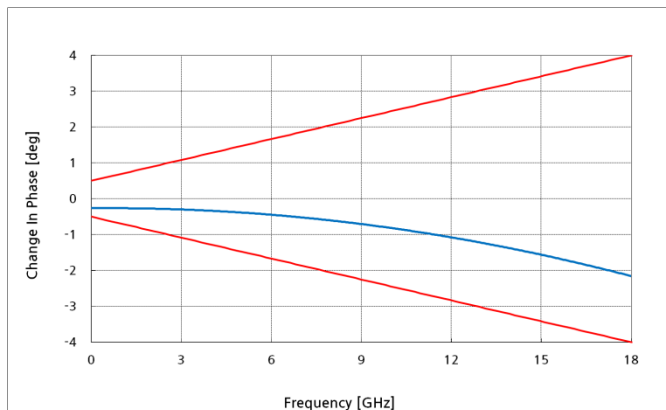
1 GHz	0.35
3 GHz	0.60
6 GHz	1.03
10 GHz	1.17
12 GHz	1.29
18 GHz	1.65

Power Handling [W] @ + 25 °C (Sea level)

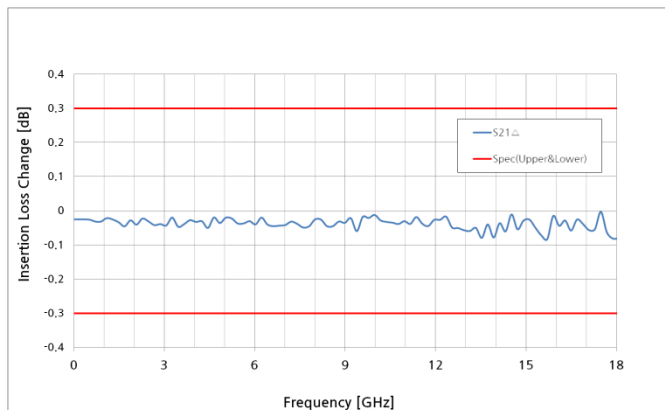
1 GHz	620
2 GHz	440
6 GHz	254
12 GHz	180
18 GHz	147

Cable Insertion & Phase Stability with Flexure

Phase Change

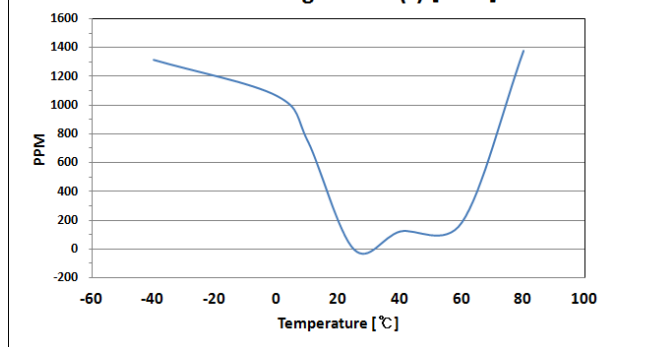


Insertion Loss Change

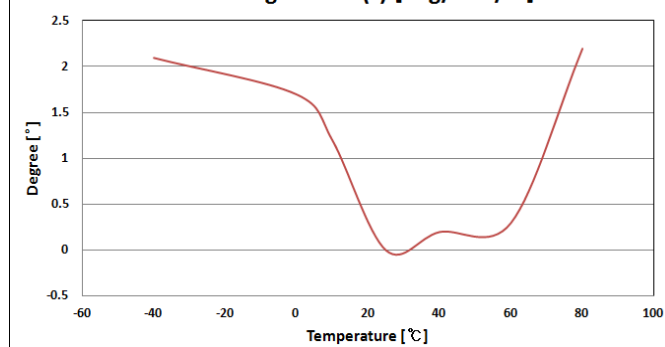


Cable Phase Stability with Temperature

Phase change GL140(s) [PPM]



Phase change GL140(s) [deg/GHz/m]



Attenuation & Power

Attenuation [dB/m]



Average Power Rating [W]

