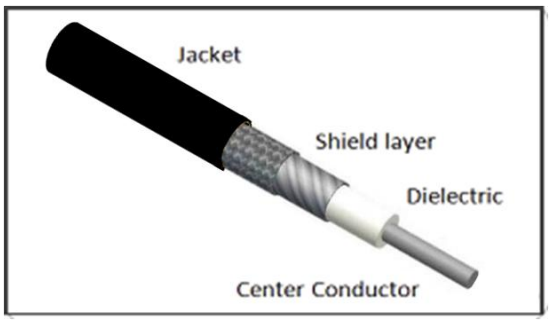
Low Loss Coaxial Cable

Giga ULTRA Series

P/N : GUL310 (Solid)

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)

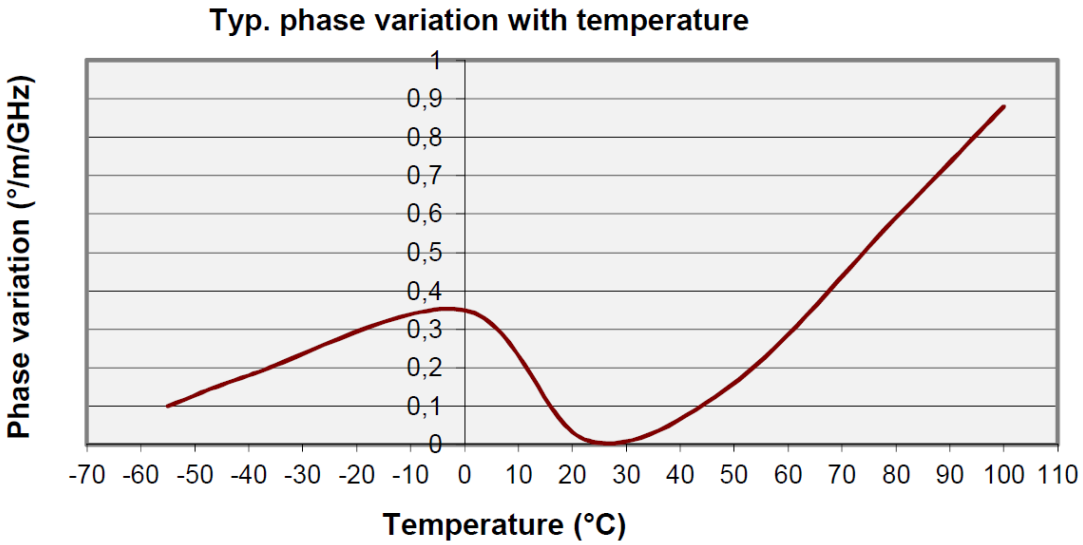
Specifications

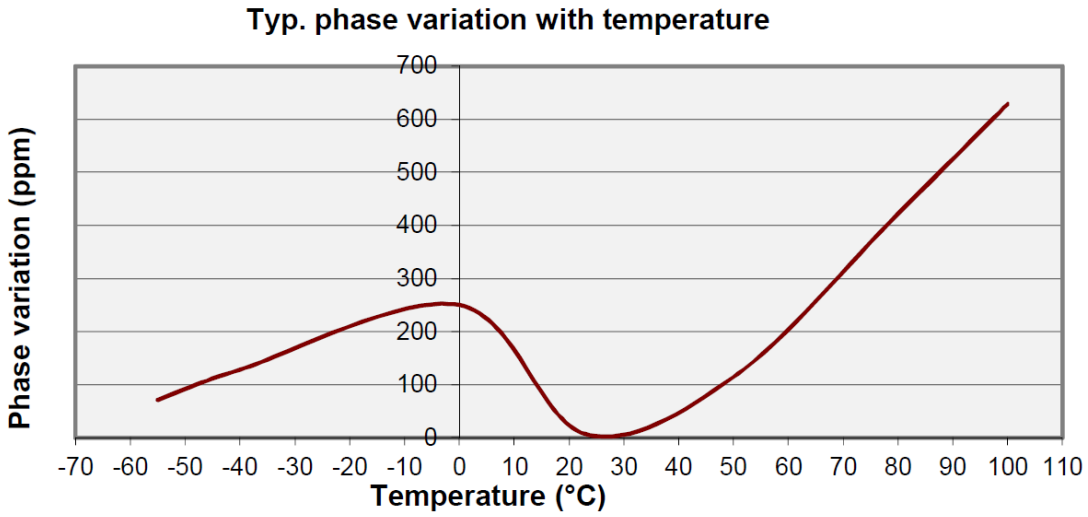
Physical & Environmental Specification	
Frequency range	DC to 18 GHz
Center Conductor [mm]	2.30 ±0.05
Inner shield(SPC tape) [mm]	6.38 ±0.05
Outer shield(SPC braid) [mm]	7.00 ±0.05
Out diameter(Jacket) [mm]	7.85 ±0.1
Minimum bend radius (Min.)	40
Weight [g/m]	130
Temperature range	-55 ~ 180℃
Electrical Specification	
Impedance	50 Ω
Velocity of propagation	84% nom.
Dielectric constant	1.4
RF leakage	-90 dB
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℃)	< 1 °

Attenuation [dB/m]	
1 GHz	0.15
3 GHz	0.26
6 GHz	0.37
10 GHz	0.48
12 GHz	0.55
18 GHz	0.68
Power Handling [W] @ + 25 ℃ (Sea level)	
1 GHz	1600
2 GHz	1131
4 GHz	800
8 GHz	566
12 GHz	455
18 GHz	375

GigaLane
www.gigalane.com
1-1 Seokwoo-dong, Hwasung-city, South Korea
TEL +82 31 233 7325 FAX +82 31 233 7317 | E-mail : sales@gigalane.com

Cable Phase Stability with Temperature





www.gigalane.com
1-1 Seokwoo-dong, Hwasung-city, South Korea
TEL +82 31 233 7325 FAX +82 31 233 7317 | E-mail : sales@gigalane.com