

Ultra Low Loss Cable Assembly (GUL200)

High Frequency
Cable Assembly

Part No. : GUL200

Cable Picture & Structure



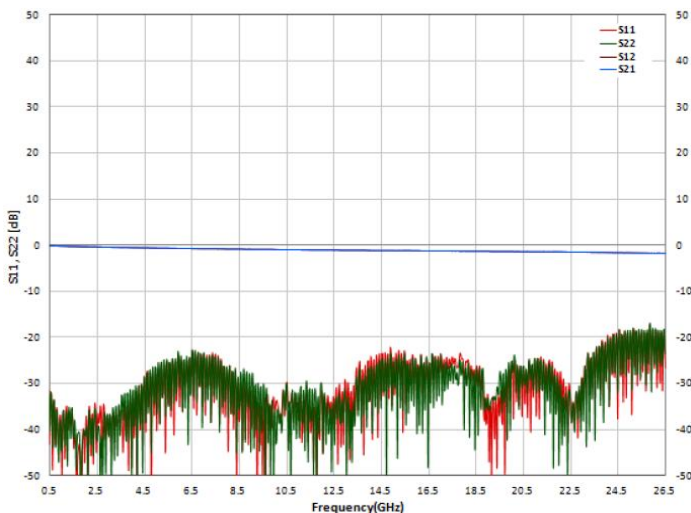
- Cable

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

Available Connector Type

- SMA(m) straight / SMA(m) right angle
- 3.5mm (m) straight
- Type N(m) straight , Type N(m) right angle / Type N(f) straight

Measurement Graph



Cable Specification

Physical & Environmental Specification

Frequency range	DC to 26.5 GHz
Center Conductor [mm]	1.45
Out diameter [mm]	5.2
Jacket Material	FEP (BLK)
Minimum bend radius (Min.)	25.5
Weight [g/m]	60
Temperature range	-55 ~ 185 °C

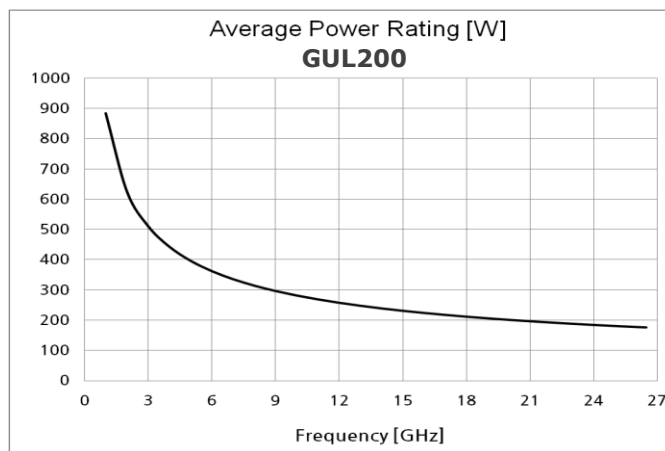
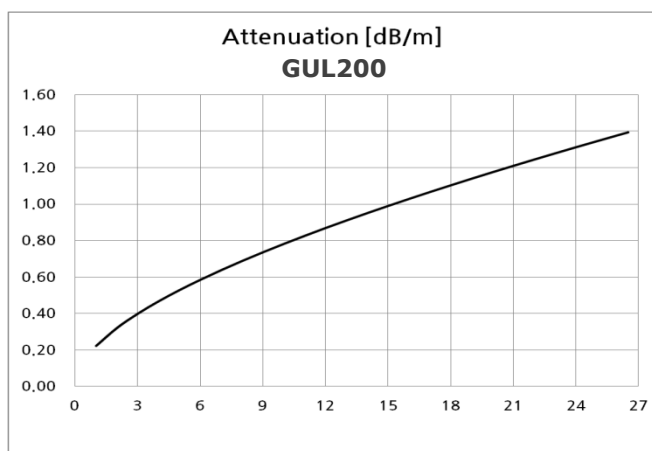
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Electrical Specification

Impedance	50 Ω
VSWR [max.] @26.5GHz	<1.30 : 1
Velocity of propagation	84% nom.
Dielectric constant	1.4
RF leakage [@18GHz]	>-90 dB
Time delay [ns/m]	4.0
Capacitance [pF/m]	79
Phase stability vs. flexure [@18GHz max.]	<0.4 °
IL stability vs. flexure [dB @minimum BR]	<0.1
Phase stability vs. temp. [deg/GHz/m](-50~100°C)	< 2 °

Cable Attenuation & Power



Attenuation [dB/m] [Raw Cable]

1 GHz	0.25
3 GHz	0.42
6 GHz	0.58
12 GHz	0.85
18 GHz	1.09
26.5 GHz	1.36

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

1 GHz	850
2 GHz	600
6 GHz	345
12 GHz	300
18 GHz	240
26.5 GHz	190