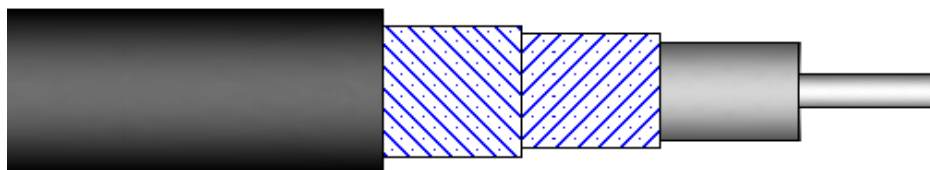


CABLE DATA SHEET

Gwave®

FLEXIBLE CABLE

GT142A



结构参数 Construction and Parameter

	材料 Material	直径 Diameter (mm)
内导体 Center Conductor	镀银铜线 Silver plated copper	1.02
绝缘体 Dielectric	低密度 PTFE Low Density PTFE	2.74
内屏蔽层 1st Outer Conductor	镀银铜带 Silver-plated copper tape	2.96
外屏蔽层 2nd Outer Conductor	镀银铜线 Silver-plated copper braid	3.30
护套 Jacket	FEP	3.61±0.13

电气性能 Electrical Properties

电容 Capacitance(pF/m)	80.38
阻抗 Impedance(ohm)	50
传输速率 Velocity of propagation(%)	83
工作频率 Operating frequency(GHz)	40
屏蔽衰减 Shielding effectiveness(dB @ 1GHz)	>90

机械性能和环境性能 Mechanical and Environmental Properties

最小弯曲半径 Min. bending radius(mm)	9.65	
工作温度范围 Operating temperature range (°C)	-65°C~+165°C	
相位的机械稳定性 Phase Stability vs Flexure	10GHz	2°
	18GHz	3°
相位随温度变化 Phase change vs Temperature	≤800ppm(-55°C~+85°C)	

衰减、功率 (20°C 海平面测试条件) Typical Attenuation(@20°C at Sea Level) dB/m and Power Handling W

频率 Frequency (GHz)	衰减 Attenuation (dB/m)	功率 Power Handling(W)
1.0	0.33	500
10.0	1.08	165
18.0	1.44	120
26.5	1.77	---
40.0	2.33	---

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