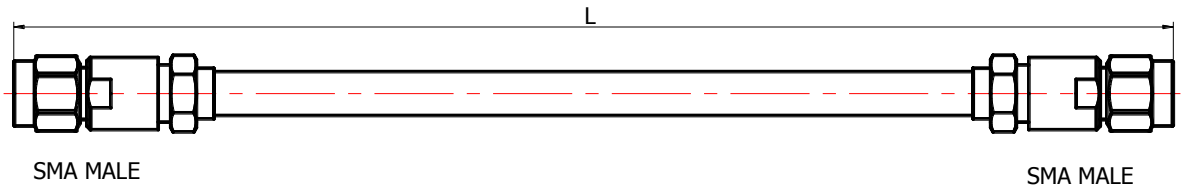
CABLE ASSEMBLY DATASHEET	Gwave®
210B SERIES, FLEXIBLE CABLE, SMA(MALE)- SMA(MALE)	**GAU8-SMMSMM-XXX**



* Label and Shrinking tube design depend on customer's request.

Configuration

Connector 1 Type	SMA Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	SMA Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	210B Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 18 GHz
Return Loss/VSWR	1.25 to 18 GHz
Phase Stability vs. Flexure	2°@ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	380watt @ 5GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +165°C
2002/95/EC(RoHS)	Compliant

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Low Density PTFE
Jacket	FEP
Capacitance(pF/m)	86
Velocity of propagation(%)	77
Min. bending radius(mm)	9.65
Jacket Diameter(mm)	5.33±0.13

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	6GHz	10GHz	18GHz
GAU8-SMMSMM-12000	12000±30	7.39	10.72	14.19	19.76
GAU8-SMMSMM-10000	10000±30	6.18	8.97	11.87	16.53
GAU8-SMMSMM-8000	8000±30	4.98	7.22	9.56	13.30
GAU8-SMMSMM-6000	6000±30	3.77	5.47	7.24	10.07
GAU8-SMMSMM-3000	3000±30	1.97	2.85	3.76	5.23
GAU8-SMMSMM-2000	2000±20	1.36	1.97	2.61	3.62
GAU8-SMMSMM-1500	1500±15	1.06	1.54	2.03	2.81
GAU8-SMMSMM-1200	1200±12	0.88	1.27	1.68	2.32
GAU8-SMMSMM-1000	1000±10	0.758	1.09	1.45	1.99
GAU8-SMMSMM-600	600±10	0.517	0.745	0.98	1.35
GAU8-SMMSMM-500	500±10	0.457	0.658	0.864	1.19