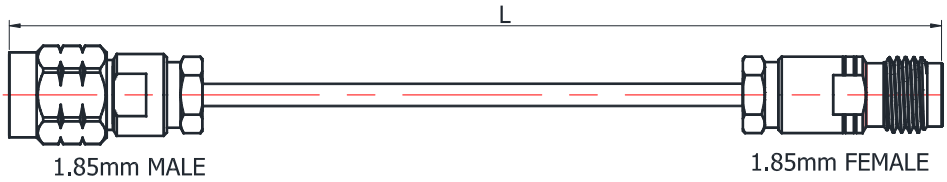
CABLE ASSEMBLY DATASHEET	Gwave
086 SERIES, SEMI-RIGID CABLE, 1.85MM(MALE)- 1.85MM(FEMALE)	**GA710-185M185F-XXX**



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

Configuration

Connector 1 Type	1.85mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	1.85mm Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	UT-085-H-TP-M17

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 67 GHz
Return Loss/VSWR	1.50 to 67 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	110watt @ 2GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +165°C
RoHS	Compliant

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Solid extruded PTFE
Outer Conductor	TIN/Copper
Capacitance(pF/m)	95.2
Velocity of propagation(%)	70
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.2
Weight(kg/100m)	2.13

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		5GHz	10GHz	20GHz	40GHz
GA710-185M185F-1000	1000±10	1.7	2.5	3.8	6.9
GA710-185M185F-800	800±8	1.4	2.06	3.14	5.66
GA710-185M185F-600	600±6	1.09	1.64	2.48	4.32
GA710-185M185F-500	500±5	0.95	1.42	2.15	3.82
GA710-185M185F-300	300±5	0.65	0.96	1.49	2.56
GA710-185M185F-260	260±5	0.59	0.87	1.35	2.31
GA710-185M185F-200	200±5	0.51	0.74	1.16	1.94
GA710-185M185F-100	100±5	0.35	0.52	0.83	1.32