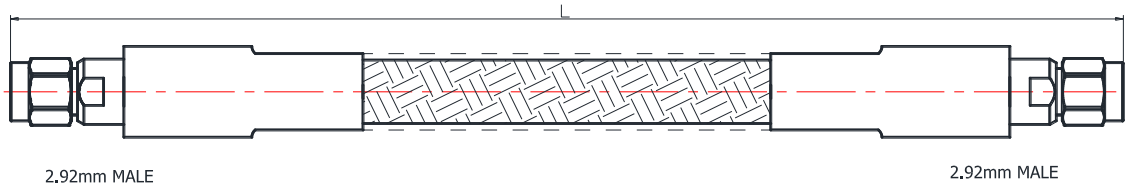
CABLE ASSEMBLY DATASHEET	Gwave
GT3507, FLEXIBLE CABLE, 2.92MM(MALE)-2.92MM(MALE)	**GAU3-292M292M-XXXA3**



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

Configuration

Connector 1 Type	2.92mm Male
Connector 1 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 1 Mount Method	None
Connector 2 Type	2.92mm Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	GT3507

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	1.35 to 40 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-90dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	200watt @ 5GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +80°C
2002/95/EC(RoHS)	Compliant

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Cable Specifications

Center Conductor	Silver plated copper
Dielectric	ePTFE
Jacket	FEP
Velocity of propagation(%)	85
Min. bending radius(mm)	6.35
Jacket Diameter(mm)	3.60±0.13

Armor Specifications

Armor Type	Stainless steel wire covered by Tin plated copper wire and nomex braid
Min. bending radius(mm)	25.4
Diameter(mm)	7.5

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		10GHz	18GHz	26.5GHz	40GHz
GAU3-292M292M-8000A3	8000±30	9.94	13.64	17.26	21.36
GAU3-292M292M-3000A3	3000±30	3.89	5.34	6.76	8.36
GAU3-292M292M-2000A3	2000±20	2.68	3.68	4.66	5.76
GAU3-292M292M-1500A3	1500±15	2.08	2.85	3.61	4.46
GAU3-292M292M-1200A3	1200±12	1.72	2.35	2.98	3.68
GAU3-292M292M-1000A3	1000±10	1.47	2.02	2.56	3.16
GAU3-292M292M-600A3	600±10	0.98	1.36	1.72	2.12
GAU3-292M292M-500A3	500±10	0.865	1.19	1.51	1.86
GAU3-292M292M-400A3	400±10	0.75	1.02	1.31	1.58
GAU3-292M292M-200A3	200±10	0.53	0.72	0.87	1.08

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