



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

Configuration

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

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 18 GHz
Return Loss/VSWR	1.35 to 18 GHz
Phase Stability vs. Flexure	3°@ 10GHz, 5°@ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	200watt @ 20GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +80°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

Armor Specifications

Armor Type	Polyurethane Jacket Over Braid Stainless Steel Spiral
Min. bending radius(mm)	25.4
Diameter(mm)	10.8

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		3GHz	6GHz	10GHz	18GHz
GAU7-TNCMTNCM-12000A1	12000±30	5.61	8.21	10.95	15.41
GAU7-TNCMTNCM-10000A1	10000±30	4.70	6.88	9.17	12.89
GAU7-TNCMTNCM-8000A1	8000±30	3.79	5.55	7.41	10.4
GAU7-TNCMTNCM-6000A1	6000±30	2.88	4.22	5.62	7.89
GAU7-TNCMTNCM-3000A1	3000±30	1.52	2.22	2.95	4.14
GAU7-TNCMTNCM-2000A1	2000±20	1.07	1.56	2.06	2.89
GAU7-TNCMTNCM-1500A1	1500±15	0.84	1.22	1.62	2.26
GAU7-TNCMTNCM-1200A1	1200±12	0.71	1.02	1.35	1.89
GAU7-TNCMTNCM-1000A1	1000±10	0.61	0.89	1.18	1.64
GAU7-TNCMTNCM-600A1	600±10	0.43	0.62	0.82	1.14
GAU7-TNCMTNCM-500A1	500±10	0.39	0.56	0.73	1.01

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