



* 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 Female
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	142A Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 40 GHz
Return Loss/VSWR	1.44 to 40 GHz
Phase Stability vs. Flexure	2° @ 10GHz ,3° @ 18GHz
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	70watt @ 40GHz at sea level,VSWR1.0

Environmental Data

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

142A SERIES, FLEXIBLE CABLE,
2.92MM(MALE)- 2.92MM(FEMALE)**GAA1-292M292F-XXXA3**

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Low Density PTFE
Jacket	FEP
Capacitance(pF/m)	80.38
Velocity of propagation(%)	83
Min. bending radius(mm)	9.65
Jacket Diameter(mm)	3.61±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)			
		6GHz	10GHz	18GHz	26.5GHz
GAA1-292M292MF-10000A3	10000±50	11.04	14.98	18.4	22.8
GAA1-292M292F-8000A3	8000±30	8.89	12.06	14.76	18.4
GAA1-292M292F-3000A3	3000±30	3.51	4.76	5.83	7.3
GAA1-292M292F-2000A3	2000±20	2.45	3.40	4.04	5.1
GAA1-292M292F-1500A3	1500±15	1.89	2.57	3.15	3.9
GAA1-292M292F-1200A3	1200±12	1.58	2.14	2.61	3.3
GAA1-292M292F-1000A3	1000±10	1.36	1.85	2.25	2.8
GAA1-292M292F-600A3	600±10	0.93	1.26	1.55	1.91
GAA1-292M292F-550A3	550±10	0.89	1.19	1.46	1.81
GAA1-292M292F-500A3	500±10	0.85	1.12	1.36	1.70
GAA1-292M292F-250A3	250±10	0.553	0.747	0.91	1.125
GAA1-292M292F-200A3	200±10	0.51	0.68	0.83	1.02

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