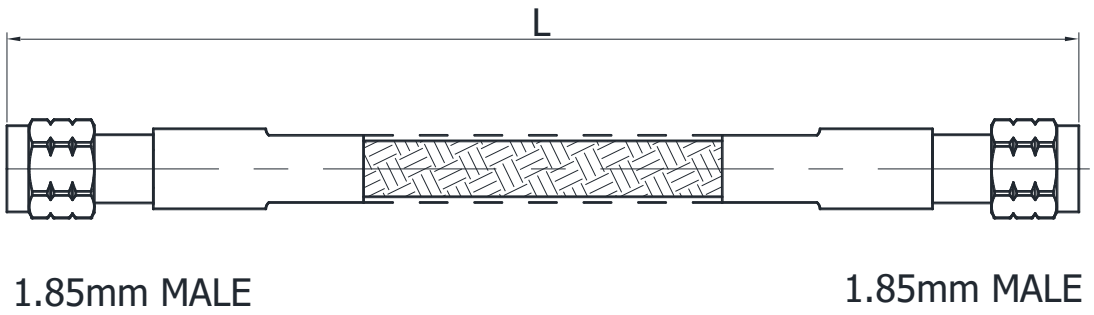
CABLE ASSEMBLY DATASHEET	Gwave
3506 SERIES, FLEXIBLE CABLE, 1.85MM(MALE)- 1.85MM(MALE)	**GAU2-185M185M-XXXA3**



* 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 Male
Connector 2 Body Style	Straight
Body Material and Plating	Passivated Staindless Steel
Connector 2 Mount Method	None
Cable Type	3506 Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 67 GHz
Return Loss/VSWR	1.50
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-100dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	90watt @ 2GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +125°C
2011/65/EU(RoHS)	Compliant

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Cable Specifications

Center Conductor	Silver plated copper
Dielectric	ePTFE
Jacket	FEP
Capacitance(pF/m)	94
Velocity of propagation(%)	82
Min. bending radius(mm)	6
Jacket Diameter(mm)	2.2

Armor Specifications

Armor Type	Stainless steel wire covered by Tin plated copper wire and nomex braid
Min. bending radius(mm)	25.4
Diameter(mm)	6.3

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)			
		10GHz	20GHz	40GHz	67GHz
GAU2-185M185M-1500A3	1500±10	3.97	5.13	6.13	7.48
GAU2-185M185M-1000A3	1000±10	2.92	3.69	4.36	5.26
GAU2-185M185M-610A3	610±5	2.10	2.58	2.98	3.53
GAU2-185M185M-500A3	500±5	1.87	2.26	2.59	3.04
GAU2-185M185M-200A3	200±3	1.24	1.40	1.53	1.71
GAU2-185M185M-150A3	150±3	1.14	1.26	1.34	1.49
GAU2-185M185M-100A3	100±3	1.03	1.11	1.18	1.27