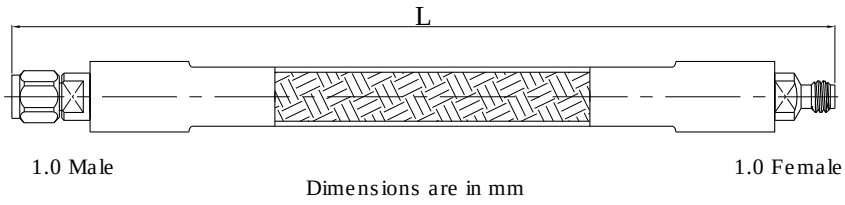
Gwave
Fast Delivery RF Parts.

Datasheet

P/N: GAU20-10M10F-XXXA3

1.0mm Male to 1.0mm Female Cable Assembly | U20 Series Low Loss Phase Stable Flexible Coax Cable | With Armor | DC - 110GHz



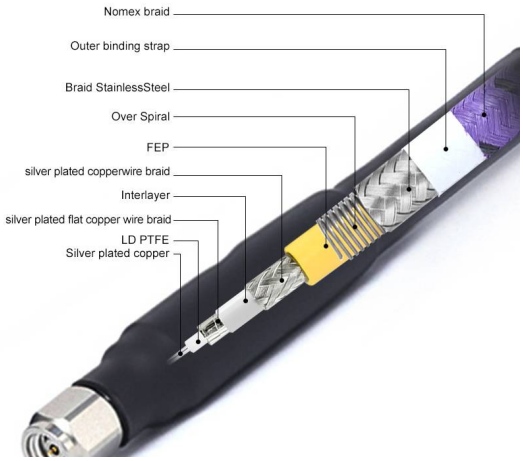


Connectors Configuration

	Connector 1	Connector 2
Connector Series	1.0mm	1.0mm
Connector Polarity	Standard	Standard
Connector Gender	Male	Female
Connector Impedance (Ohm)	50	50
Connector Body Style	Straight	Straight
Connector Body Material	Stainless Steel	Stainless Steel
Connector Body Plating	Passivated	Passivated

Cable Configuration

Cable Type	U20 Series
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copper
Dielectric Material	ePTFE
Number of Shields	2
Shield Layer 1 Material	Silver plated copper tape
Shield Layer 2 Material	Silver Plated Copper Braid
Jacket Material	FEP
Cable Color	Violet
Minimum Bend Radius (mm)	50
Capacitance (pF/m)	86
Velocity of Propagation	80%
Shielding Effectiveness	> 90dB @ 1GHz
Middle layer	ePTFE
Armor Type	Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid
Armored Diameter (mm)	5



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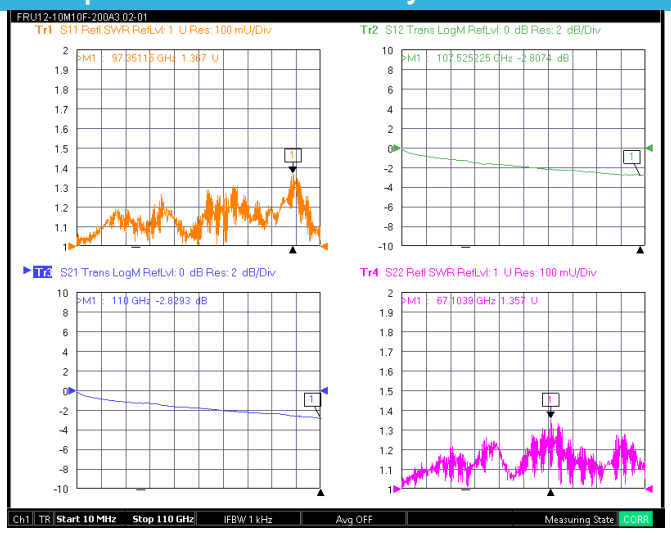
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
150	±3	DC - 110GHz	1.44 to 110GHz	2.32 to 110GHz
200	±3			2.98 to 110GHz
400	±5			5.61 to 110GHz
500	±5			8.32 to 110GHz
800	±10			10.86 to 110GHz
1000	±10			13.49 to 110GHz

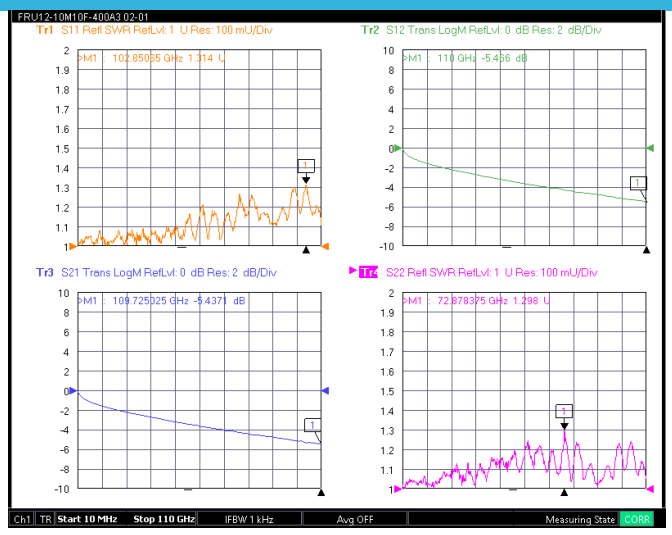
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-55 ºC to +125 ºC

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 200 mm



*Note:Test Cable Assembly Length = 400 mm