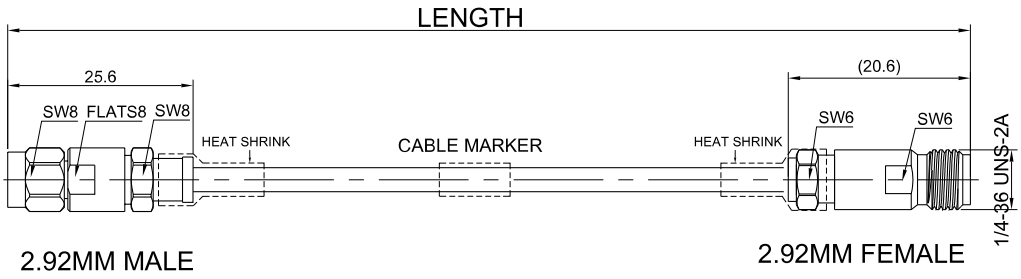
Flexi RF
Reliable RF Components In Stock

Datasheet

P/N: FRA1-292M292F-XXXA3

2.92mm Male to 2.92mm Female Cable Assembly with Armor | 142A Series Low Loss Phase Stable Flexible Coax Cable | DC-40GHz | 2.2dB/m@40GHz |



Dimensions are in mm

Connectors Configuration

	Connector 1	Connector 2
Connector Series	2.92mm	2.92mm
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	142A Series
Cable Impedance (Ohm)	50
Inner Conductor Material	Silver plated copper
Dielectric Material	Low Density PTFE
Number of Shields	2
Shield Layer 1 Material	Silver-plated copper tape
Shield Layer 2 Material	Silver-plated copper braid
Jacket Material	FEP
Cable Diameter (mm)	4.00
Armor Type	Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid
Armored Diameter (mm)	7.5
Minimum Bend Radius (mm)	25.4
Capacitance (pF/m)	80.38
Velocity of Propagation	83
Shielding Effectiveness	<-100dB @ 1GHz

Flexi RF Inc

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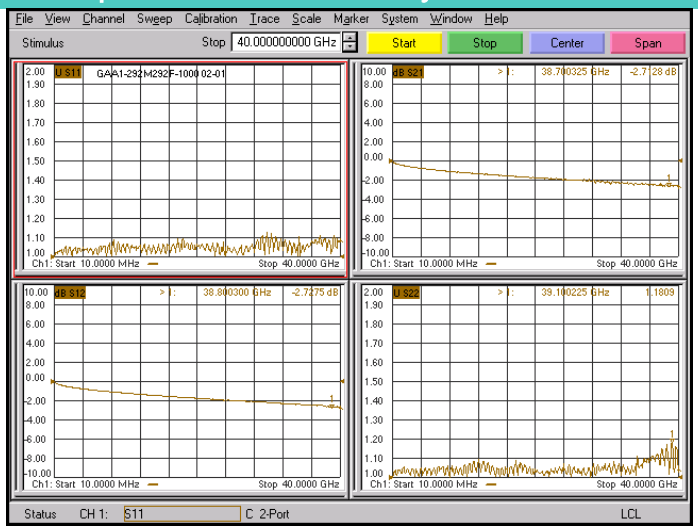
Electrical Data

Electrical Specifications for Different Length				
Length (mm)	Length Tolerance (mm)	Frequency	VSWR / Return Loss	Insertion Loss ≤ (dB)
500	±5	DC to 40 GHz	1.3 to 40 GHz	1.70 to 40GHz
600	±5			1.91 to 40GHz
700	±5			2.14 to 40GHz
800	±10			2.36 to 40GHz
900	±10			2.58 to 40GHz
1000	±10			2.8 to 40GHz
1500	±15			3.9 to 40GHz
2000	±20			5.1 to 40GHz
3000	±30			7.3 to 40GHz

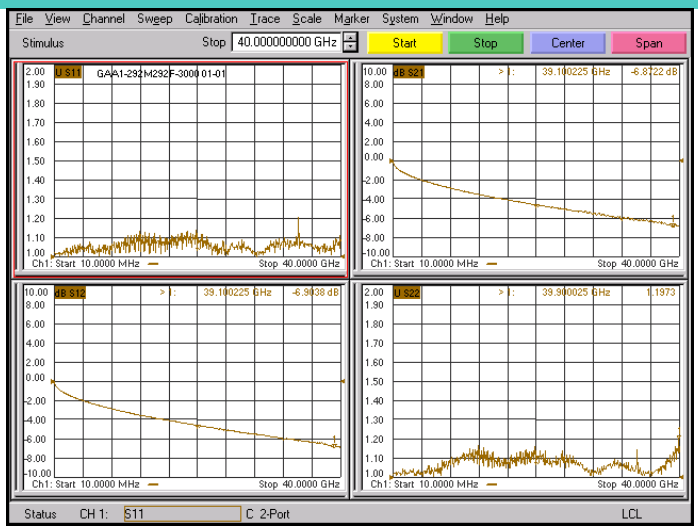
Enviromental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45°C to +125°C

Test Report for Cable assembly



*Note:Test Cable Assembly Length = 1000 mm



*Note:Test Cable Assembly Length = 3000 mm

Revision History

Version	Description	Prepared By	Approved By	Date