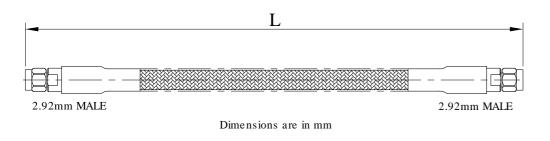


P/N: FRA1-292M292M-XXXA3

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





Connectors Configuration

Connector 1 Connector 2 **Connector Series** 2.92mm 2.92mm Standard Connector Polarity Standard Connector Gender Male Male 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) 3.61

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

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

Environmental Specifications

RoHS Compliant

Yes

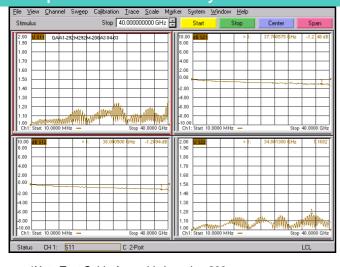
Operating Temperature Range

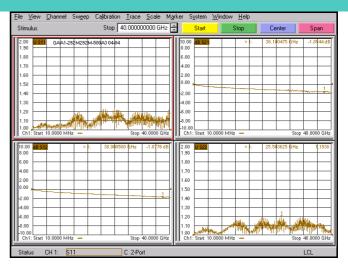
-45°C to +125°C

MIL/STD

N/A

Test Report for Cable assembly





*Note:Test Cable Assembly Length = 200 mm

*Note:Test Cable Assembly Length = 500 mm

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