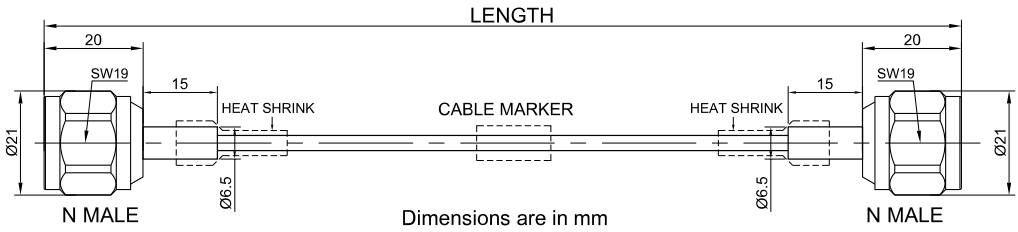
Flexi RF
Reliable RF Components In Stock

# Datasheet

## P/N: FRR1P-NMNM-XXX

### N Male to N Male Cable Assembly | RG142-PVC Flexible Coax Cable | DC-3GHz



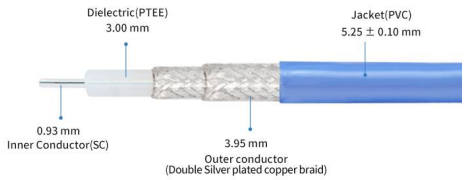



## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | N | N |
| Connector Polarity | Standard | Standard |
| Connector Gender | Male | Male |
| Connector Impedance (Ohm) | 50 | 50 |
| Connector Body Style | Straight | Straight |
| Connector Body Material | Brass | Brass |
| Connector Body Plating | Nickel | Nickel |

## Cable Configuration

| | |
|---|---|
| Cable Type | RG142-PVC Flexible Cable |
| Cable Impedance (Ohm) | 50 |
| Inner Conductor Material | Silver Plated Copper |
| Dielectric Material | PTFE |
| Shield Layer 1 Material | silver plated copper braid |
| Shield Layer 2 Material | silver plated copper braid |
| Jacket Material | PVC |
| Cable Diameter (mm) | 5.25±0.1 |
| Cable Color | Blue |
| Minimum Bend Radius (mm) | 25 |
| Capacitance (pF/m) | 96.45 |
| Velocity of Propagation | 70% |
| Shielding Effectiveness | < -80dB @ 1GHz |





**Flexi RF Inc**

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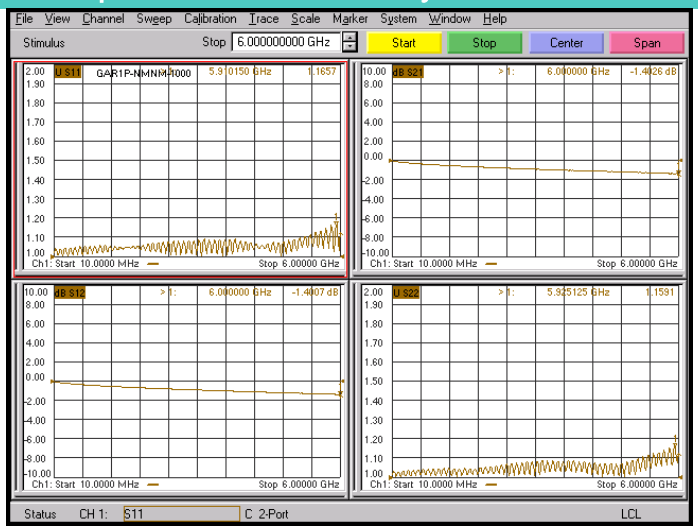
## Electrical Data

| Electrical Specifications for Different Length | | | | |
|---|---|---|---|---|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 1000 | ±10 | DC - 6GHz | 1.25 | 1.54 |
| 1500 | ±15 | | | 2.19 |
| 2000 | ±20 | | | 2.84 |
| 5000 | ±50 | | | 6.74 |

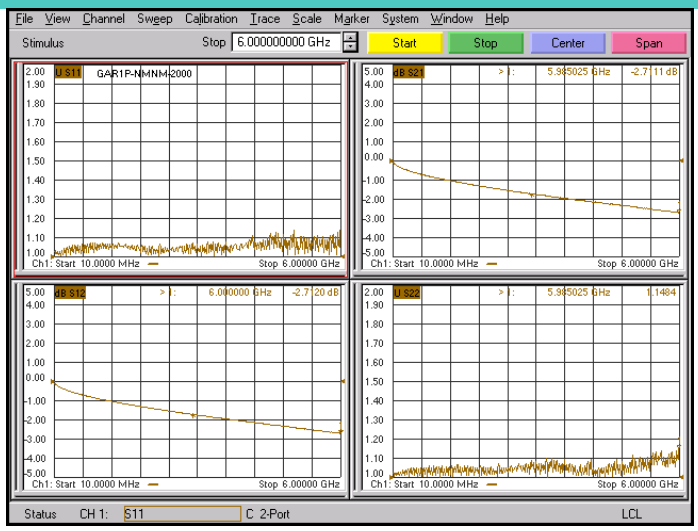
## Enviromental Specifications

| | |
|---|---|
| RoHS Compliant | Yes |
| Operating Temperature Range | -20°C to +70°C |

## Test Report for Cable assembly




*Note:Test Cable Assembly Length = 1000 mm




*Note:Test Cable Assembly Length = 2000 mm

## Revision History

| Version | Description | Prepared By | Approved By | Date |
|---|---|---|---|---|