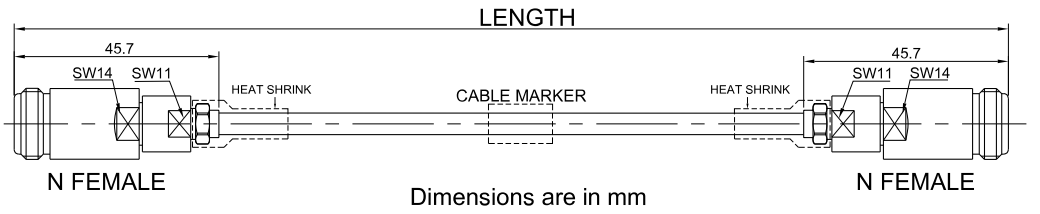
Gwave
Fast Delivery RF Parts.

# Datasheet

## P/N: GAA3-NFNF-XXXA3

**N Female to N Female Cable Assembly | 205A Low Loss Phase Stable Flexible Coax Cable With FEP Jacket | With Armor | DC - 18GHz | Insertion loss 1.05dB/m @18GHz**




Dimensions are in mm



## Connectors Configuration

| | Connector 1 | Connector 2 |
|---|---|---|
| Connector Series | N | N |
| Connector Polarity | Standard | Standard |
| Connector Gender | Female | 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 | Low Loss & Phase Stable Flexible Cable |
| Cable Impedance (Ohm) | 50 |
| Inner Conductor Material | Silver Plated Copper |
| Dielectric Material | LD-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) | 5.21 |
| Minimum Bend Radius (mm) | 52 |
| Capacitance (pF/m) | 80 |
| Velocity of Propagation | 83% |
| Shielding Effectiveness | > 100dB @ 1GHz |
| Armor Type | Stainless Steel Wire Covered By Tin Plated Copper Wire And Nomex Braid |
| Armored Diameter (mm) | 9.3 |





**Gwave Technology Inc**

(888)251-2240
87 Patricia Ct, Mountain View, CA 94041
sales@gwavetech.com
www.gwavetech.com

## P/N: GAA3-NFNF-XXXA3

**N Female to N Female Cable Assembly | 205A Low Loss Phase Stable Flexible Coax Cable With FEP Jacket | With Armor | DC - 18GHz | Insertion loss 1.05dB/m @18GHz**

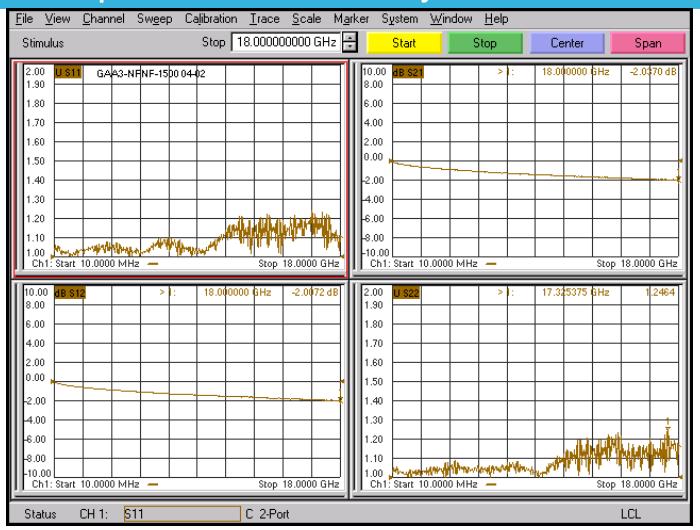
## Electrical Data

| Electrical Specifications for Different Length | | | | |
|---|---|---|---|---|
| Length (mm) | Length Tolerance (mm) | Frequency | VSWR / Return Loss | Insertion Loss ≤ (dB) |
| 500 | ±5 | DC - 18GHz | 1.35 to 18GHz | 0.89 to 18GHz |
| 800 | ±10 | | | 1.20 to 18GHz |
| 1000 | ±10 | | | 1.41 to 18GHz |
| 1500 | ±15 | | | 1.92 to 18GHz |
| 2000 | ±20 | | | 2.43 to 18GHz |
| 3000 | ±30 | | | 3.46 to 18GHz |
| 5000 | ±50 | | | 5.50 to 18GHz |

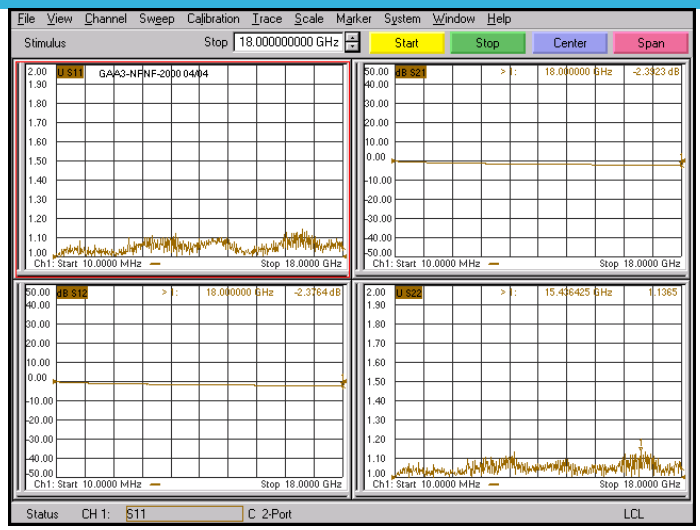
## Enviromental Specifications

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

## Test Report for Cable assembly




*Note:Test Cable Assembly Length = 1500 mm




*Note:Test Cable Assembly Length = 2000 mm