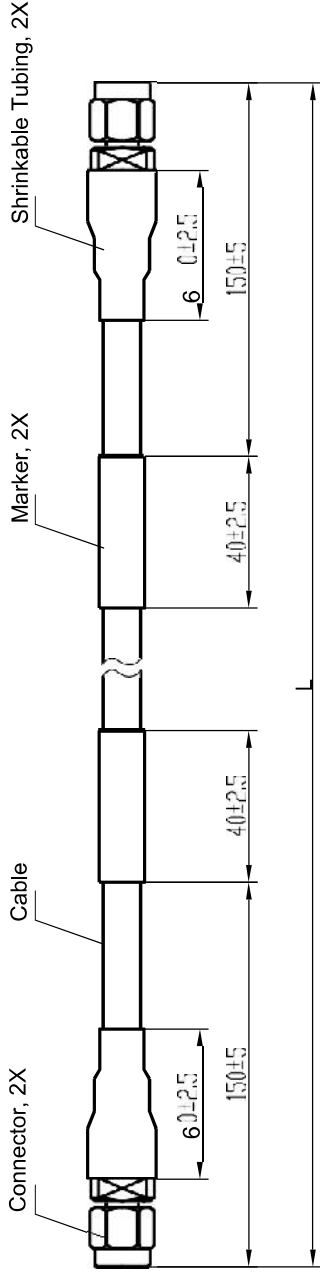


Revision	Description	ECN No.	Date
A	Initial Release	N/A	2021-6-28



SPECIFICATIONS

1. ELECTRICAL

- 1.1 Impedance: 50Ω
- 1.2 Frequency Range: DC~26.5GHz
- 1.3 Dielectric Withstanding Voltage: 1000V (DC)
- 1.4 Insulation Resistance: 1000MΩ
- 1.5 Insertion Loss: 1M: 2.04dB@26.5GHz max.
2M: 3.64dB@26.5GHz max.
5M: 8.28dB@26.5GHz max.
6M: 9.64dB@26.5GHz max.
10M: 16dB@26.5GHz max.
- 1.6 VSWR: 1.30:1@26.5GHz max
- 1.7 Phase Matching: $\pm 2.5^\circ$ @1GHz max.
- 1.8 Power Handling: 600W@ 1 GHz and 40C
- 1.9 Velocity of Propagation: 70% Min
- 1.10 Shielding Efficiency: 110 dB@ 1 GHz

MECHANICAL

- 1.6 Min. Bending Radius, Static: 20mm
- 1.7 Min. Bending Radius, Repeated: 40mm
- 1.8 Durability: 1000 cycles min.

2. MATERIAL

- 2.1 Cable : Low Loss Phase Stable Flexible Cable, Gray, $\phi 4.9$ mm
- 2.2 Connector: SMA Male
- 2.2.1 Contact: Brass, Gold Plated
- 2.2.2 Insulator: PTFE
- 2.2.3 Body: Stainless Steel, Passivated
- 2.2.4 Coupling Nut: Stainless Steel, Passivated
- 2.3 Shrinkable Tubing: Black, EVA, $\phi 9.5$ mm
- 3.4 Marker: Black, EVA, $\phi 9.5$ mm

Content:

- Line 1: RN MICROWAVE
- Line 2: PART NUMBER/ SERIAL NUMBER

3. ENVIRONMENTAL

- 3.1 2011/65/EU RoHS: Compliant
- 3.2 Temperature Range: -55°C ~+85 °C

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.
AND TOLERANCES ARE:
DECIMALS: LENGTH:
X: $\phi 2$
X.X: $\phi 1$
XXX: $\phi 05$
L < 1M: 0/+5mm
L \geq 1M: 0/+1%

DRAWN: CZB DATE: 2021.6.28

REVIEWED: EA DATE:

APPROVED: RM DATE:

REFERENCE:

FILE PATH:

DESCRIPTION: 26.5 GHz CABLE ASSEMBLY, SMA MALE
TO SMA MALE, 50 OHMS

DWG. NO. RNB24Y-01-01-LPM

SCALE: NTS

SHEET 1 OF 1