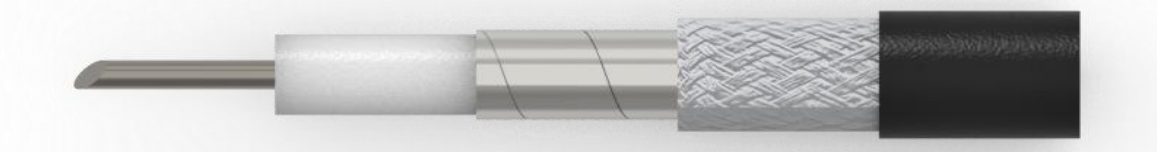


**P/N: 3230091A**



## Mechanical data

| Item                      | Material                   | Diameter(mm)    |
|---------------------------|----------------------------|-----------------|
| 1 Inner conductor         | Niobium- Titanium alloy    | $0.50 \pm 0.03$ |
| 2 Insulation              | LD- PTFE                   | $1.38 \pm 0.05$ |
| 3 Outer conductor (inner) | Silver- plated copper tape | $1.54 \pm 0.05$ |
| 4 Outer conductor (outer) | Silver- plated copper wire | $1.95 \pm 0.05$ |
| 5 Jacket                  | Black FEP                  | $2.20 \pm 0.1$  |

## Electrical Characteristics

| Item                                               | Material | Diameter(mm) |
|----------------------------------------------------|----------|--------------|
| 1 Impedance(ohm)                                   |          | $50 \pm 2$   |
| 2 Velocity(%)                                      |          | 81           |
| 3 Operating Frequency Bandy(GHz)                   |          | 18           |
| 4 Dielectric breakdown Voltage(V,AC 50/60Hz,1 min) |          | 1000         |
| 5 Shielding Effectiveness(dB)                      |          | 90           |

## Mechanical and Environment Characteristics

| Item                             | Material | Diameter(mm) |
|----------------------------------|----------|--------------|
| 1 Operating temp.(°C)            |          | 10mK-300K    |
| 2 Min. bend radius, static(mm)   |          | 11           |
| 3 Min. bend radius, dynamic (mm) |          | 22           |
| 4 RoHS                           |          | Compliant    |

## Attenuation @ 20°C and sea level

| Frequency(MHz) | 300K Attenuation(dB/m) | 10K Attenuation(dB/m) |
|----------------|------------------------|-----------------------|
| 1 1000         | 3.5                    | 0.5                   |
| 2 10000        | 12.5                   | 0.5                   |
| 3 18000        | 18                     | 0.5                   |

\* Values typical, guaranteed within 10%