



## Construction Specification

| Item               | Material                | Diameter(mm) |
|--------------------|-------------------------|--------------|
| 1. Inner Conductor | Solid Copper Clad Steel | 1.02±0.02    |
| 2. Dielectric      | Foam Polyethylene       | 4.57±0.13    |
| 3. Outer Conductor | Bonded Al Foil          | --           |
| 3. Outer Conductor | 60% AL-Mg alloy wire    | ---          |
| 4. Jacket          | White PVC (RoHS)        | 6.85±0.1     |

## Electrical Characteristics

|                                |         |
|--------------------------------|---------|
| Capacitance (pF/km)            | Nom. 53 |
| Impedance (ohm)                | 75±3    |
| Velocity (%)                   | Nom. 82 |
| Dielectric resistance (MΩ·km)  | ≥5000   |
| Dielectric strength (KV)       | 5       |
| Max. Operating Frequency (MHz) | 11000   |
| Max. Operating Voltage (KV)    | 2.7     |

## Mechanical and Environmental Characteristics

|                                  |         |
|----------------------------------|---------|
| Operating Temp. (°C)             | -30~+70 |
| Bending radius once (mm)         | 42      |
| Repeated bending radius (mm)     | 64      |
| Flexible application radius (mm) | 170     |

## Typical Attenuation @ 20°C and Sea Level

| Frequency (MHz) | Nominal Attenuation (dB/100FT) |
|-----------------|--------------------------------|
| 55              | 1.91                           |
| 211             | 3.05                           |
| 550             | 4.9                            |
| 870             | 6.11                           |
| 1000            | 6.55                           |