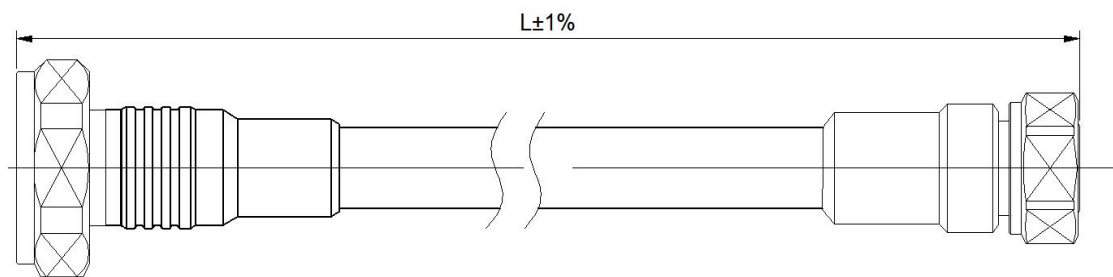


**1. Figure**



**2. Product Description**

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| 1). Cable Type:      | HRCAY-50-9(1/2"Super Flexible)                            |
| 2). Cable Length:    | 0.5m, 1m, 1.5m, 2m, 2.5m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m |
| Inner Conductor      | Copper-Clad Aluminum Wire(Diameter 3.6 mm)                |
| Dielectric           | Physical Foam Polyethylene(Diameter 8.7mm)                |
| Outer Conductor      | Corrugated Copper Tube(Diameter 12mm)                     |
| Jacket               | Black PE(Diameter 13.3mm)                                 |
| 3). Connectors       |                                                           |
| Inner Conductor Pin  | Brass or Tin Bronze /Silver Plating                       |
| Body&Outer Conductor | Brass/Trimetal Plating                                    |
| Insulator            | PTFE                                                      |
| Gasket               | Silicon Rubber                                            |
| Nut                  | Brass/Nickel Plating or Trimetal Plating                  |

**3. Electrical Characteristics**

|                                 |                |
|---------------------------------|----------------|
| Characteristics Impedance       | 50 Ohm         |
| Frequency Range                 | DC~7.5GHz      |
| Insulation Resistance           | ≥5000MΩ        |
| Dielectric Withstanding Voltage | 2500V rms (DC) |
| Operating Voltage               | 1400V rms      |

| Insertion Loss | L(m) | insertion loss<br>@DC-3 GHz | L(m) | insertion loss<br>@DC-3 GHz |
|----------------|------|-----------------------------|------|-----------------------------|
|                | 0.5  | ≤0.26dB                     | 5    | ≤1.23dB                     |
|                | 1    | ≤0.37dB                     | 6    | ≤1.44dB                     |
|                | 1.5  | ≤0.47dB                     | 7    | ≤1.67dB                     |
|                | 2    | ≤0.58dB                     | 8    | ≤1.87dB                     |
|                | 2.5  | ≤0.69dB                     | 9    | ≤2.09dB                     |
|                | 3    | ≤0.80dB                     | 10   | ≤2.30dB                     |
|                | 4    | ≤1.01dB                     | 15   | ≤3.38dB                     |

|      |            |       |
|------|------------|-------|
| VSWR | @0-1.0 GHz | ≤1.1  |
|      | @1-2.2 GHz | ≤1.12 |
|      | @2.2-3 GHz | ≤1.15 |

|      |          |
|------|----------|
| PIM3 | ≤-160dBc |
|------|----------|

**4. Environmental and Mechanical Specifications**

|                          |                               |
|--------------------------|-------------------------------|
| Bending Radius Operating | 50mm-Min                      |
| Installation             | 25mm-Min                      |
| Tensile Strength         | 700N-Max                      |
| Temperature Ra Operating | -55℃/+85℃                     |
| Installation             | -25℃/+60℃                     |
| Storage                  | -70℃/+85℃                     |
| Halogen Content          | IEC 60754-1                   |
| Test Methods:            | IEC 60096-0-1,61196-1,60966-1 |