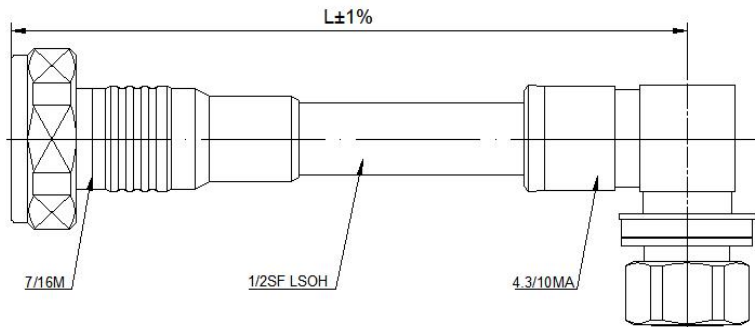


**1. Figure**



**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 LSOH (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 Range | Operating    | -55℃/+85℃                     |
|                   | Installation | -25℃/+60℃                     |
|                   | Storage      | -70℃/+85℃                     |
| Halogen Content   |              | IEC 60754-1                   |
| Test Methods:     |              | IEC 60096-0-1,61196-1,60966-1 |