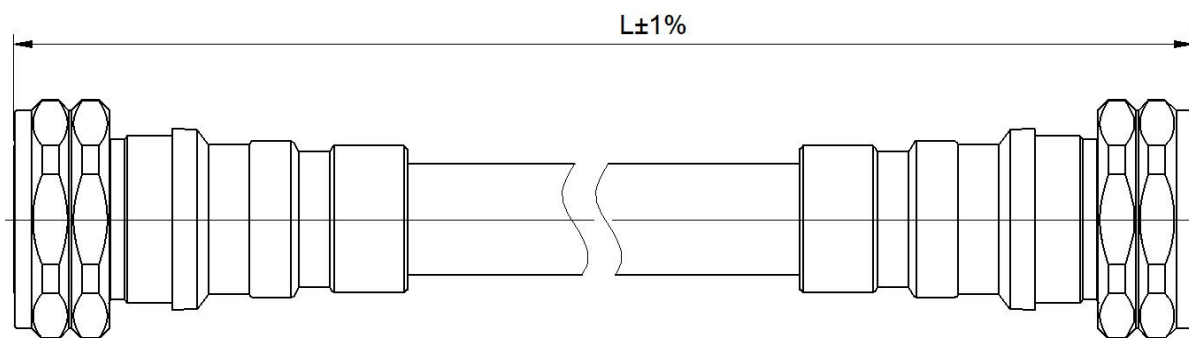


1. Figure



2. Product Description

1). Cable Type:	HCAAY-50-12(1/2 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 4.8 mm)
Dielectric	Physical Foam Polyethylene(Diameter 12.3mm)
Outer Conductor	Corrugated Copper Tube(Diameter 13.8mm)
Jacket	Black PE(Diameter 15.7mm)
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	$\geq 5000M\Omega$
Dielectric Withstanding Voltage	2500V rms (DC)
Operating Voltage	1400V rms
Insertion Loss @DC-3 GHz	$\leq 0.135 \cdot L + 0.15dB$
VSWR @0-1.0 GHz	≤ 1.1
@1-2.2 GHz	≤ 1.12
@2.2-3 GHz	≤ 1.15
PIM3	$\leq -155dBc$

4. Environmental and Mechanical Specifications

Cable Tensile resistance	$\geq 400N$
Storage Temperature	-45°C to +65°C
Operating temperature	-65°C to +85°C
Water Proof level	IP68 24hr, 1m, 20°C
RoHS	Compliant