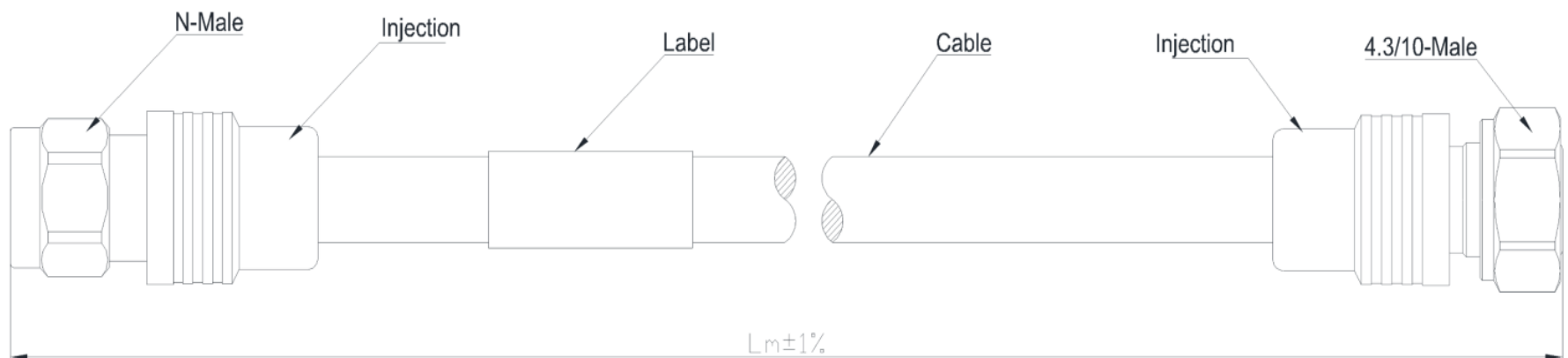


1. Figure

2. Product Description

1). Cable Type:	HCAAY(Z)-50-12, Feeder 1/2" flexible ($\Phi = 15.9\text{mm} \pm 0.2\text{mm}$)	
2). Cable Length:	Lm, L meter (As Required)	
Inner Conductor	Copper-Clad Aluminum Wire	
Dielectric	Physical Foam Polyethylene	
Outer Conductor	Corrugated Copper Tube	
Jacket	Black PE / Polyethylene	
3). Connectors		
Connector	4.3/10 type male	N type male
Inner Conductor Pin	Brass/Silver Plating	Brass/Silver Plating
Body&Outer Conductor	Brass/Trimetal Plating	Brass/Trimetal Plating
Insulator	PTFE	PTFE
Gasket	Silicon Rubber	Silicon Rubber
Nut	Brass/Nickel Plating	Brass/Nickel Plating

3. Electrical Characteristics

Characteristics Impedance	50 Ohm
Frequency Range	0 ~ 4GHz
Insulation Resistance	$\geq 5000\text{M}\Omega$
Dielectric Withstanding Voltage	2500V (DC, 1Min)
Insertion Loss @DC-3000MHz	$\leq 0.15 * L + 0.20\text{dB}$
VSWR/ Return Loss @690-960 MHz	$\leq 1.08 / -26\text{dB}$
@1700-2500 MHz	$\leq 1.1 / -24\text{dB}$
@2500-3000 MHz	$\leq 1.1 / -23\text{dB}$
@3000-5000 MHz	$\leq 1.15 / -21\text{dB}$
PIM3(2*43dBm) @900MHz 1800MHz	$\leq -159\text{dBc}$

4. Environmental and Mechanical Specifications

Cable Tensile resistance	$\geq 500\text{N}$
Durability (matings)	≥ 500 cycles
Vibration	As per std:IEC 60068-2-6/GB/T 17738.1
Damp heat, steady state	As per std:IEC 60068-2-3/GB/T 2423.3
Salt mist	As per std:IEC 60068-2-11/GB/T 2423.17 (48H)
Temperature Range	-45°C to +85°C
RoHS	Compliant
Sealing Class	IP68