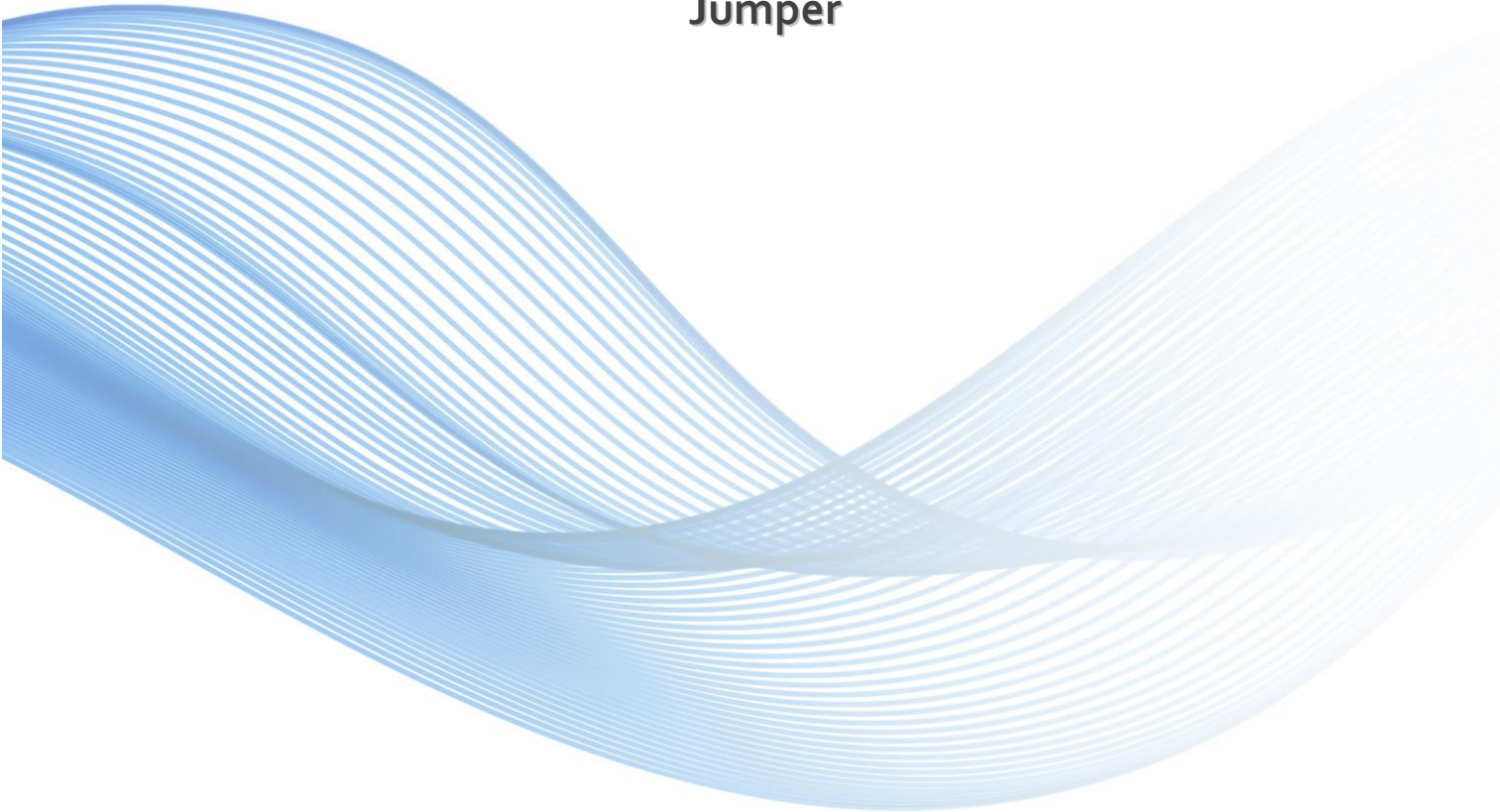


TECHNICAL SPECIFICATION

Jumper



A	February 10, 2023	Javid	Jaywen	Wangb
Version	Date	Prepared	Reviewed	Approved

1. GENERAL

1.1 Scope

This specification covers the general requirements and performance of jumper cables provided by Sunwave.

1.2 Cable Description

This jumper cables have the following advantages: low VSWR, excellent flexibility, easy attachment and waterproof.

1.3 Quality

Excellent quality control is achieved through intense in-house quality check and stringent audit acceptance by ISO 9001.

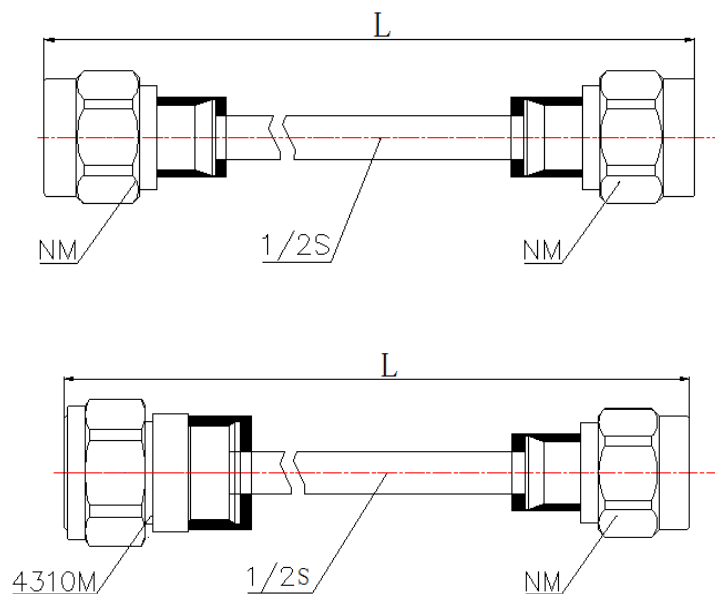
1.4 Reliability

Sunwave ensures product reliability through rigorous qualification testing of each product family. Both initial and periodic qualification testing are performed to assure the cable's performance and durability in the field environments.

2. CABLE STRUCTURE

2.1 Cable Type:

Product type	Specification model
1/2"S jumper ,N Male-N Male, 3m	NM-NM-9X3
1/2"S jumper , 4310M Male-N Male, 1m	4310M-NM-9X1
1/2"S jumper , 4310M Male-N Male, 3m	4310M-NM-9X3



2.2 Construction of Cable

Item	Diameter(mm)	Material
Inner conductor	3.60±0.05	Copper clad aluminum wire
Insulation	9.20±0.20	Foamed polyethylene
Outer copper conductor	12.00±0.25	Helical corrugated copper tube
Jacket	13.30±0.20	PE

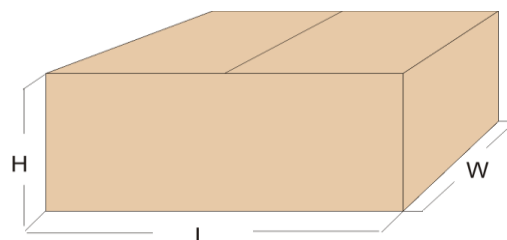
2.3 Jumper Cable Characteristic Chart

Characters	Specification
Cable type	1/2"S (Black PE jacket.)
Characteristic impedance	50±2Ω
Insulation resistance	≥5000 MΩ·km
Dielectric withstanding voltages	2000V
Frequency range	0~3GHz
Dynamic minimum bending radius	55mm(Repeated 15 times)
Contact resistance	Inner contact ≤ 3mΩ
	Outer contact ≤ 2mΩ
VSWR	≤1.15
Third order intermodulation	≤-150dBc (2X20W@900/1800/2100/2600MHz)

3. PACKING INFORMATION

Jumper cables are packed in carton, and the connectors are assembled at the end of the cable. During transportation, available transportation tool should be handled carefully to avoid damaging the package.

Design:



Carton Size : L:470mm W: 470mm H: 310mm