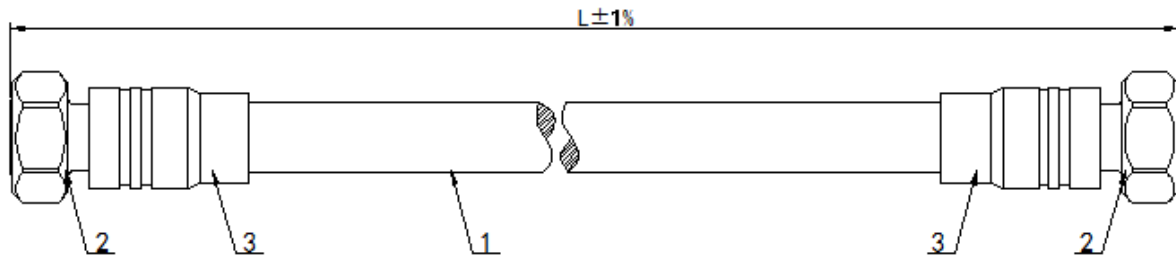




1/2 Super flex Jumper, Black PE

4.3-10 Male – 4.3-10 Male



1 Product Structure

	Designation	Material
1	Cable	1/2 Super flex Corrugated Copper Tube Coaxial Cable, Black PE
2	Connector	4.3-10 Male for 1/2 Super flex Coaxial Cable
3	Molding	Hot Thermoplastic Elastomer (TPE) Molding, Black
4	Marking label	Plastic Label, Waterproof

2 Product List

L=	Designation
3.0m	Jumper, 3.0M, 1/2S, 4.3-10(M)-4.3-10(M)
4.0 m	Jumper, 4.0M, 1/2S, 4.3-10(M)-4.3-10(M)
5.0 m	Jumper, 5.0M, 1/2S, 4.3-10(M)-4.3-10(M)
6.0 m	Jumper,6.0M, 1/2S, 4.3-10(M)-4.3-10(M)

3 Cable Requirements

Inner Conductor	Copper Clad Aluminum Wire
Insulation	Foamed Polyethylene
Outer Conductor	Helical Corrugated Copper Tube
Jacket	Polyethylene (PE), Black

4 Connector Requirements

Interface, Body Style	4.3-10 Male, Straight
Contact Attachment Inner, Outer	Solder, Solder
Center Conductor	Brass with Silver Plated
Insulation	PTFE
Outer Conductor	Brass with Tri-metal Plated
Nut	Brass with Nickel Plated
Connection torque	5NM(4.3-10)
Torque	2.0NM
Tensile force	200N

5 Electrical Specifications

Impedance	50 Ohm
Operating Frequency Band	0 – 3800 MHz
Return Loss (VSWR)	Typical



0 – 3800 MHz

≥ 21.6dB (1.18)

300 – 2200 MHz

≥ 26.4 dB (1.10)

2200 – 2700 MHz

≥23.1 dB (1.13)

2700 – 3800 MHz

≥ 21.6 dB (1.18)

3rd Order Intermodulation (900MHz@2x43 dBm)

≤ -160 dBc (-117dBm)

6 Insertion Loss

L(M)	Insertion loss		
	300-2200MHz	2200-2700MHz	2700-3800MHz
3.0	≤0.62 dB	≤0.75 dB	≤0.95 dB
4.0	≤0.80 dB	≤0.96 dB	≤1.24 dB
5.0	≤0.97 dB	≤1.18 dB	≤1.50 dB
6.0	≤1.14 dB	≤1.39 dB	≤1.76 dB

7 Environment and Mechanical Specifications

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Interface Durability	500 Cycles
Immersion Depth	1 m
Immersion Test Method	IEC 60529:2001, IP67
Corrosion Test Method	MIL-STD-202G, Method 101E, Test Condition A, 96 h
Moisture Resistance Test Method	MIL-STD-202G, Method 106G
Thermal Shock Test Method	MIL-STD-202G, Method 107G, Test Condition A-1, 25 Cycles
Vibration Test Method	MIL-STD-202G, Method 204D, Test Condition B, 15 g
Mechanical Shock Test Method	MIL-STD-202G, Method 213B, Test Condition C, 100 gs

8 Marking and Package Requirements

According to the Packaging Specifications

9 Banned and Restricted Substances

RoHS 2011/65/EU Compliant

10 Document Revision Information

Revision	Description
A0	First revision