PRODUCT SPECIFICATIONS

SUPER FLEXIBLE RF JUMPER CABLE

MODEL	SIZE
JRT-4310M-4310M-12S-1LM	1m
JRT-4310M-4310M-12S-2LM	2m
JRT-4310M-4310M-12S-3LM	3m
JRT-4310M-4310M-12S-5LM	5m

***LM: Length Meter**

Compliance standards: IEC60169, VG95250, EN122190, GJB681-89, GJB360A-96, IEC 60169-54

RF COAXIAL CONNECTOR MATERIALS	
Connector Type	4.3-10 Male to 4.3-10 Male
Inner Contact	Bronze, plated with silver, plating thickness: ≥0.003mm
Dielectric	PTFE
Outer Contact	Brass, plated with ternary alloy, plating thickness≥0.003mm
Fastener	Brass
ELECTRICAL AND MECHANICAL FEATURES	
Frequency Range	DC-6GHz
Impedance	50 Ω
Test voltage (at sea level):	≥2500 V rms
Insulation Resistance	≥5GΩ
Contact Resistance	
Inner Conductor	≤1.0mΩ
Outer Conductor	≤0.2mΩ
VSWR	≤1.15 (DC-3GHz)
PIM	≤-155dBc@2x43dBm
Connector durability	≥500 cycles
Coupling nut retention	500N
Recommended torque	5 N.m
Termination cable retention	≥300N

SUPER FLEXIBLE RF JUMPER CABLE MATERIALS	
Inner Conductor	Aluminum wire covered with copper (Φ3.55mm±0.04)
Insulation Dielectric	Polyethylene foam PE (Φ9.2mm±0.20)
Outer Conductor	Helically corrugated copper tube (Φ12.0mm±0.2)
Cable Jacket	PE (Φ13.60mm±0.20)
MECHANICAL SPECIFICATIONS	
Minimum Single Bending Radius	50 mm
Tensile Strength	800 N
ELECTRICAL SPECIFICATIONS	
Capacitance	82 pF/m
Impedance	50 Ω
Transmission rate	83%
Operating Voltage	1500V
Shielding Effectiveness	≥120dB

Insulation Resistance	≥5GΩ
Insulation Voltage	≥2500V
PIM3	≤-155dBc@2x43dBm
VSWR	≤1.1 (DC-3GHz), ≤1.15 (3-6GHz)

INSULATION LOSS				
Frequency	1m	2m	3m	5m
800-960MHz	≤0.13dB	≤0.24dB	≤0.34dB	≤0.52dB
1710-1880MHz	≤0.18dB	≤0.34dB	≤0.50dB	≤0.78dB
1920-2200MHz	≤0.24dB	≤0.40dB	≤0.56dB	≤0.90dB
2500-2690MHz	≤0.28dB	≤0.48dB	≤0.68dB	≤1.0dB
5800-5900MHz	≤0.30dB	≤0.62dB	≤0.94dB	≤1.58dB

ENVIRONMENTAL SPECIFICATION	
Operation Temperature	-45℃ to +85℃
Storage Temperature	-70℃ to +85℃
Thermal shock	IEC 60068-2-14 Test Na
Corrosion resistance	IEC 60068-2-11 Test Ka
Vibration	IEC 60068-2-6 Test Fc
Shock	IEC 60068-2-27 Test Ea
Moisture resistance	IEC 60068-2-3 Test Ca
Degree of protection (mated pair)	IEC 60529, IP67