

Model: LP-RPSMA-M50



Introduction

High-performance jumper designed for telecommunications applications up to 6 GHz, made with low-loss LinkedPro® cable and lifetime warranty.

Jumper Type	
Connector Type	RPSMA-Male to RPSMA-MaleRPSMA-Male
DC (Direct Current)	Up to 6.0 Ghz
VSWR	≤ 1.20 Ghz
IL (Insert Loss)	≤ 0.60 dB/Meter @6 Ghz
Durability	500 Cycles

Structure Characteristics

Structure	Item	Standard Value
Inner Conductor	Material	Silver Plated Copper
	Construction (mm)	1/0.93
	Nom. Dia (mm)	0.93
Insulation	Material	PTFE
	Nom. Dia (mm)	3.00
Inner shield	Material	Silver Plated Copper Strip
	Nom. Dia (mm)	3.20
Outer shield	Material	Silver Plated Copper Wire
	Nom. Dia (mm)	3.55
Jacket	Material	Blue FEP
	Nom. Dia (mm)	4.20

Electrical Characteristics

Item	Standard Value	Attenuation and Power handling @ 25 °C and Sea Level		
		(MHz) Frequency	(dB/m) Attenuation	(W) Power Handling
Impedance (Ω)	50	500	0.26	528
Capacitance(pF/m) 94 Power Handling	94 (mm)			
Velocity of Propagation	70%	1 000	0.38	373
Max Operating Frequency(GHz)	26.5	2 000	0.57	264
		3 000	0.73	215
Screening Effectiveness (dB)	>90	6 000	1.08	152
		10 000	1.46	118
DC Dielectric Withstanding Voltage(V)	1500	11 000	1.52	112
		18 000	2.09	88
Phase Change VS Bending (°/GHz)	± 0.2	26 500	2.66	72

Mechanical & Environmental CharacteristicsItem		Cable Replaceable Type	
Min Bending Radius/Single	20.0mm	Times	Tflex-402
Min Bending Radius/Repeated	40.0mm	Harbour	SS402
Weight	0.046kg/m	Huber+Suhner	MultiFlex-141
Operating Temperature	-40 +85 °C	Habia	Multibend-402J