

SRFS TELEINFRA



Low Loss SMA Female Bulkhead to RA Push-On SMP Female Cable LMR-100



Electrical Specifications		
Frequency Range	DC-3GHz	
Characteristic Impedance	50 ohms	
VSWR	1.4:1	
Insertion Loss(Typ.)	0.46 [1.51] dB/ft[dB/m]	
Velocity of Propagation	66%	
RF Shielding	90 dB	
Capacitance	30.8[101.05] pF/ft[pF/m]	
Inductance	0.077[0.25] uH/ft[uH/m]	
DC Resistace Inner Conductor	81[265.75] Ohm/1000ft[Ohm/Km]	
Jacket Spark	2000 Vrms	
CABLE		
Cable Type	LMR-100A	
Impedance	50 Ohms	
Inner Conductor Type	Solid	
Inner Conductor Material and Plating	Copper Clad Steel	
Dielectric Type	PE	
Number of Shields	2	
Shield Layer1	Aluminum Tape	
Shield Layer2	Tinned Copper Braid	
Jacket Material	PVC, Black	
Jacket Diameter	0.11 in [2.79 mm]	
One Time Minimum Bend Radius	0.25 in[6.35mm]	
Repeated Minimum Bend Radius	1 in [25.4mm]	
CONNECTORS		
	CONNECTOR1	CONNECTOR2
Type	SMA Female	SMP Female
Mount Method	Bulkhead	
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Beryllium Copper ,Gold	Beryllium Copper ,Gold
Dielectric Type	PTFE	PTFE
Coupling Nut Material & Plating	Passivated Stainless Steel	Passivated Stainless Steel
Body Material & Plating		Brass, Gold
Hex Size	5/16 inch	
Operating Range	-20to +80 degree C	



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