

Table of Contents

RG178 Cable Assemblies



Sl. No.	Model Number	Description	Page No.
1.	LWC-CA-N-JACK-BH-ST-UFL-RG178	Cable Assembly, N(F) Bulkhead Straight to UFL, RG178 Cable	01
2.	LWC-CA-SMA-JACK-ST-MMCX-PLUG-RA-RG178-15	Cable Assembly, SMA(F) Straight to MMCX Plug, RA, RG178 Cable	02

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

RG178 RF Cable Assemblies

N Jack Bulkhead to IPEX/ UFL/ MHF1



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-CA-N-JACK-BH-ST-UFL-RG178	
Impedance (Ω)	50	
Conductor Resistance (Ω /km)	620	
Insulation Resistance (M Ω /km)	1000	
Capacitance (pF/m)	96	
Dielectric Strength	1000V/ min AC	
Spark Test	1KV	
Velocity of propagation	72%	
VSWR (0 to 3.0 GHz)	1.30	
Material Specifications		
Inner Conductor	Silver Coated Copper (SCC)	<ul style="list-style-type: none"> - Flexible - Low cost - High Quality - Customized cable lengths
Insulation	Polytetrafluoroethylene (PTFE)	
Braid Shield	Silver Coated Copper (SC)	
Jacket	Fluorinated Ethylene Propylene (FEP)	
Mechanical Parameters		Feasible Connectors
Inner Conductor Dia (mm)	0.30	<ul style="list-style-type: none"> - N Type - SMA/ SMB/ SMC - UFL/ IPEX/ MHF1
Insulation Dia (mm)	0.86	
Jacket (mm)	1.83	
Frequency (in MHz)	Attenuation (dB/m)	Applications
100	0.45	<ul style="list-style-type: none"> - Interconnects
400	0.91	
1000	1.45	
3000	2.57	

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

RG178 Cable Assemblies

SMA Jack to MMCX Plug



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-CA-SMA-JACK-ST-MMCX-PLUG-RA-RG178-15	<p>1. RG 178 Cable, OD: 1.78 mm, Length:155 mm 2. MMCX Plug, Gold Plated 3. SMA Jack, Gold Plated 4. Heat Shrink Tube</p>
Impedance (Ω)	50	
Conductor Resistance (Ω /km)	620	
Insulation Resistance ($M\Omega$ /km)	1000	
Capacitance (pF/m)	96	
Dielectric Strength	1000V/ min AC	
Spark Test	1KV	
Velocity of propagation	72%	
VSWR (DC to 3.0 GHz)	1.30	
RG178 Material Specifications		
Inner Conductor	Silver Coated Copper (SCC)	<ul style="list-style-type: none"> - Flexible - Low cost - High Quality - Customized cable lengths
Insulation	Polytetrafluoroethylene (PTFE)	
Braid Shield	Silver Coated Copper (SC)	
Jacket	Fluorinated Ethylene Propylene (FEP)	
RG178 Mechanical Parameters		Feasible Connectors:
Inner Conductor Dia (mm)	0.30	<ul style="list-style-type: none"> - MCX/ MMCX - SMA/ SMB/ SMC - TNC
Insulation Dia (mm)	0.86	
Jacket (mm)	1.83	
Frequency (in MHz)	Attenuation (dB/m)	Applications
100	0.45	<ul style="list-style-type: none"> - Interconnects
400	0.91	
1000	1.45	
3000	2.57	