

Part No. WCBA-WCA218NM.NMXXX Series

18GHz WCA218 Flexible Cable Assembly N(M)-N(M)



Features:

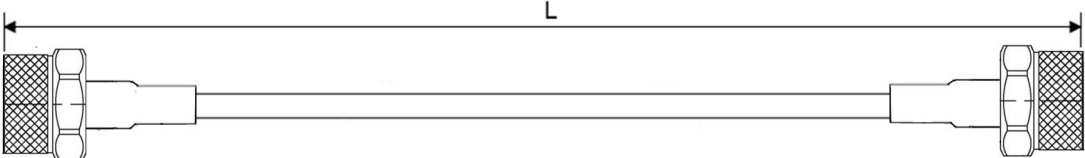
- Low Insertion Loss
- Good Shielding Effectiveness



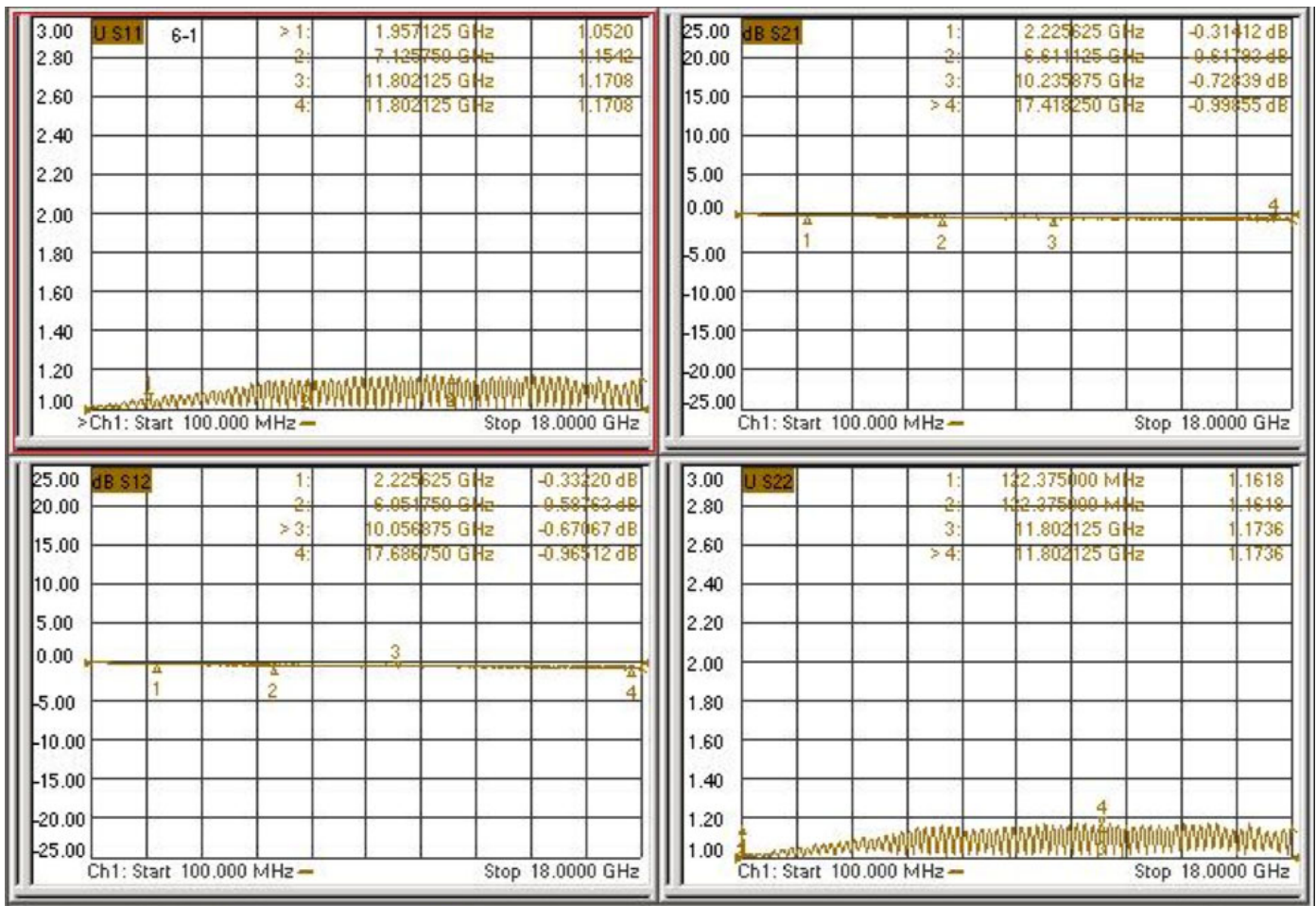
WCA218 Raw Cable Electrical Specification										
Operating Frequency	40GHz									
Frequency	1	3	6	8	10	12.4	18	26.5	40	GHz
Attenuation	0.375	0.657	0.938	1.089	1.224	1.369	1.667	2.048	2.557	dB/m
Power	509	291	203	176	156	139	115	93	75	W
Velocity of Propagation	82%									
Shielding Effectiveness	90dB min.									
Phase Stability	$\pm 3^\circ @ 18\text{GHz}$, $\pm 5^\circ @ 26.5\text{GHz}$									
Amplitude stability	$\pm 0.1 \text{ dB} @ 18\text{GHz}$									
Impedance	50 ohm									
Min. Static Bending Radius	18mm									
Min. Dynamic Bending Radius	36mm									

WCA218 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.91 mm
Dielectric	Low Density PTFE	2.50 mm
Outer Conductor	Silver Plated Copper Ribbon	2.66 mm
Interlayer	PTFE	2.95mm
Outer Shield	Silver Plated Copper	3.35 mm
Jacket	PFA	3.90 mm

WCA218 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
18GHz WCA218 Flexible Cable Assembly N(M)-N(M)	
Part No.	WCBA-WCA218NM.NMXXX (XXX:Length,Unit: Meters)
Frequency	18GHz (max.)
Connection 1	N Male
Connection 2	N Male
VSWR	1.25:1(max.) Length $\geq$ 5M:1.35:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Curve



N(M)-N(M) 0.5M