

Part No. WCBA-WCA21935M.35MXXX Series

33GHz WCA219 Flexible Cable Assembly 3.5mm(M)-3.5mm(M)



Features:

- Low Insertion Loss
- Good Shielding Effectiveness



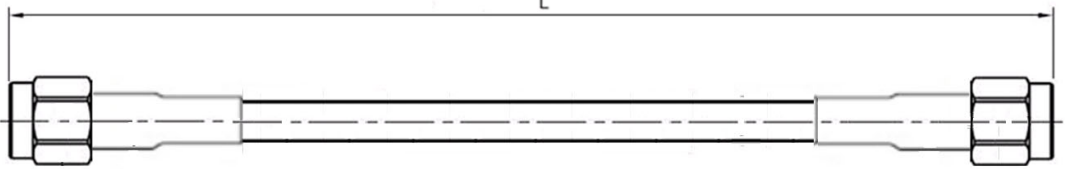
WCA219 Raw Cable Electrical Specification										
Operating Frequency	40GHz									
Frequency	1	3	6	10	12	15	18	26.5	40	GHz
Attenuation	0.335	0.583	0.828	1.073	1.177	1.319	1.447	1.764	2.181	dB/m
Power	634	365	257	198	181	161	147	120	97	W
Velocity of Propagation	82%									
Shielding Effectiveness	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	20mm									
Min. Dynamic Bending Radius	40mm									

WCA219 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	1.05 mm
Dielectric	Low Density PTFE	2.85 mm
Outer Conductor	Silver Plated Copper Ribbon	3.05 mm
Outer Shield	Silver Plated Copper	3.40 mm
Jacket	FEP	4.00 mm

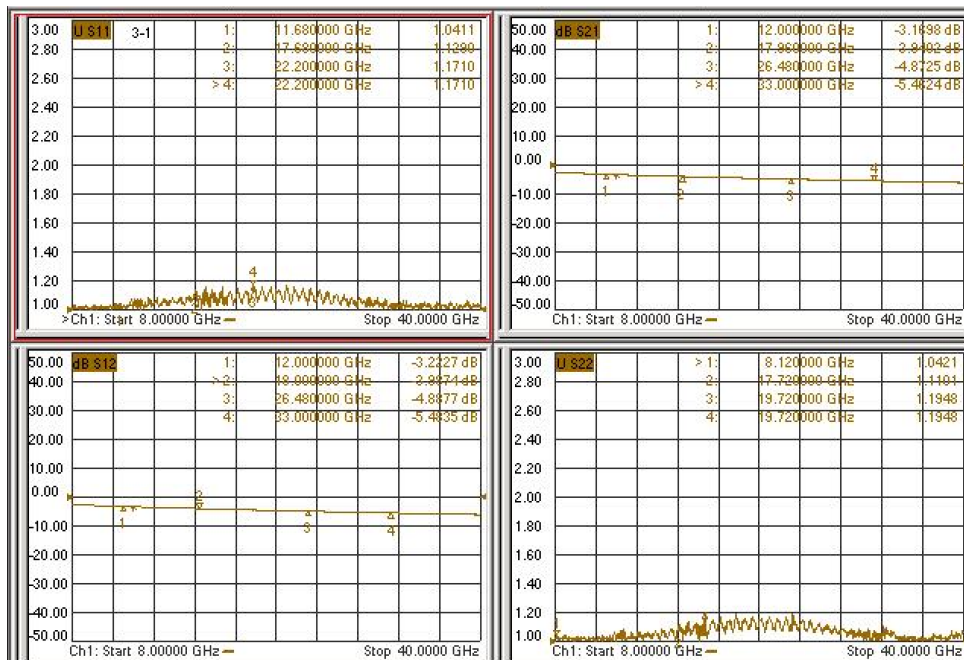
WCA219 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification

33GHz WCA219 Flexible Cable Assembly 3.5mm(M)-3.5mm(M)

Part No.	WCBA-WCA21935M.35MXXX (XXX:Length,Unit: Meters)
Frequency	33GHz (max.)
Connection 1	3.5mm Male
Connection 2	3.5mm Male
VSWR	1.3:1(max.) Length $\geq$ 10M:1.35(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Curve



3.5mm(M)-3.5mm(M) 3M