

Part No. WCBA-WCA031.85M1.85MXXX

65GHz WCA03 Flexible Cable Assembly 1.85mm(M)-1.85mm(M)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



WCA03 Raw Cable Electrical Specification									
Cut-Off Frequency	83GHz								
Operating Frequency	67GHz								
Frequency	1	10	12.4	18	26.5	40	50	67	GHz
Attenuation	0.64	2.10	2.35	2.87	3.54	4.44	5.03	5.93	dB/m
Power	97	29	26	21	17	14	12	10	W
Velocity of Propagation	81%								
Shielding Effectiveness	90dB Min.								
Phase Stability	$\leq \pm 3^\circ @ 18\text{GHz}, \leq \pm 5^\circ @ 26.5\text{GHz}, \leq \pm 7^\circ @ 40\text{GHz}, \leq \pm 10^\circ @ 50-67\text{GHz}$								
Amplitude Stability	$\leq \pm 0.1\text{dB} @ 18-67\text{GHz}$								
Impedance	50 ohm								
Min. Static Bending Radius	13.0mm								
Min. Dynamic Bending Radius	25.0mm								

WCA03 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.51 mm
Dielectric	PTFE	1.38 mm
Inner Braid	Silver Plated Copper Strip	1.54 mm
Interlayer	PTFE	1.83mm
Outer Braid	Silver Plated Copper	2.16 mm
Jacket	FEP	2.45 mm

WCA03 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
65GHz WCA03 Flexible Cable Assembly 1.85mm(M)-1.85mm(M)	
Part No.	WCBA-WCA031.85M1.85MXXX (XXX:Length,Unit: Meters)
Frequency	65GHz (max.)
Connection 1	1.85mm Male
Connection 2	1.85mm Male
VSWR	1.45:1(Max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	