

Part No. WCBA-WCA02SM.SMXXX-05 Series

26.5GHz WCA02 Flexible Cable Assembly SMA(M)-SMA(M)/ phase match $\leq \pm 1\text{ps}$ ($\pm 10^\circ$ @26.5GHz)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



WCA02 Raw Cable Electrical Specification								
Cut-Off Frequency	29GHz							
Operating Frequency	26.5GHz							
Frequency	0.5	1	6	10	12.4	18	26.5	GHz
Attenuation	0.16	0.23	0.59	0.76	0.85	1.04	1.28	dB/m
Power	1305	919	368	282	252	207	169	W
Velocity of Propagation	83%							
Shielding Effectiveness	90dB(Min.)							
Phase Stability	$\pm 5^\circ$ @26.5GHz							
Amplitude stability	± 0.1 dB							
Temp. Phase Stability PPM	750@-55~85°C							
Impedance	50 ohm							
Min. Static Bending Radius	25.5mm							
Min. Dynamic Bending Radius	51.0mm							

WCA02 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	1.45 mm
Dielectric	PTFE	3.99 mm
Inner Braid	Silver Plated Copper Ribbon	4.19 mm
Outer Braid	Silver Plated Copper	4.59 mm
Jacket	FEP	5.10 mm

WCA02 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
26.5GHz WCA02 Flexible Cable Assembly SMA(M)-SMA(M)/ phase match $\leq \pm 1\text{ps}$ ($\pm 10^\circ$ @26.5GHz)	
Part No.	WCBA-WCA02SM.SMXXX-05 (XXX:Length,Unit: Meters)
Frequency	26.5GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Male
VSWR	1.25:1(max.) Length $\leq$ 0.2M:1.30:1(max.)
Phase Match	$\pm 10^\circ$ @26.5GHz
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm: $\pm 8\text{mm}$ >200mm: $\pm 1.5\%$	