

Part No. WCBA-WCA310SM.SMXXX-01 Series

18GHz WCA310 Semi-Flex Cable Assembly SMA(M)-SMA(M) /

Phase match : $\leq \pm 1\text{ps}@18\text{GHz}$

Features:

- Low Insertion Loss
- Good Shielding effectiveness



WCA310 Raw Cable Electrical Specification									
Operating Frequency	40GHz								
Frequency	0.5	1	5	10	15	18	26.5	40	GHz
Attenuation	0.491	0.723	1.802	2.668	3.372	3.733	4.882	6.331	dB/m
Power	338	219	80	52	40	36	18	11	W
Velocity of Propagation	70%								
Shielding Effectiveness	100dB(Min.)								
Impedance	50 ohm								
Min. Static Bending Radius	6.0mm								

WCA310 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.53 mm
Dielectric	PTFE	1.68 mm
Outer Conductor	Tinned Copper Braid	2.17mm
Jacket	FEP	2.60mm

WCA310 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+150°C

Cable Assembly Specification	
18GHz WCA310 Semi-Flex Cable Assembly SMA(M)-SMA(M) / Phase match : $\leq \pm 1\text{ps@18GHz}$	
Part No.	WCBA-WCA310SM.SM XXX-01 (XXX:Length,Unit: Meters)
Frequency	18GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Male
VSWR	1.3:1(max.)
Phase Match	$\leq \pm 1\text{ps@18GHz}$
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	