

Part No. WCBA-WCA02SM.SMXXX.OA Series

18GHz WCA02 Flexible Cable Assembly with OA Type Armor SMA(M)-SMA(M)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



WCA02 with OA Type Armor 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	$\pm 2^\circ$ @10GHz, $\pm 3^\circ$ @18GHz							
Amplitude stability	± 0.1 dB@18GHz							
Temp. Phase Stability PPM	750@-55~85°C							
Impedance	50 ohm							
Min. Static Bending Radius	36mm							
Min. Dynamic Bending Radius	72mm							

WCA02 with OA Type Armor Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	1.45 mm
Dielectric	LD-PTFE	3.99 mm
Inner Braid	Silver Plated Copper Ribbon	4.19 mm
Outer Braid	Silver Plated Copper	4.60 mm
Jacket	PFA	5.20 mm
Aarmor	Stainless Steel	8.60mm

1 2 3 4 5 6

WCA02 with OA Type Armor Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
18GHz WCA02 Flexible Cable Assembly with OA Type Armor SMA(M)-SMA(M)	
Part No.	WCBA-WCA02SM.SMXXX.OA (XXX:Length,Unit: Meters)
Frequency	18GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Male
VSWR	1.25:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	