

Part No. WCBA-WCA20429M.29MXXX Series

40GHz WCA204 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)



Features:

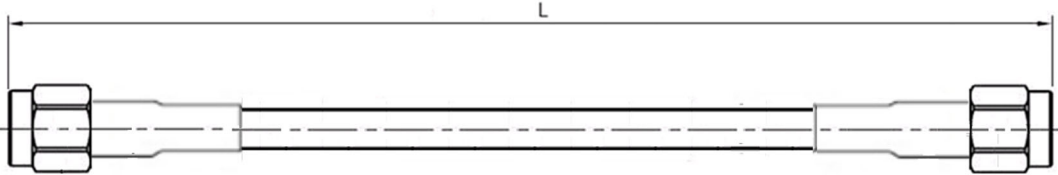
- Low Insertion Loss
- Good Shielding effectiveness



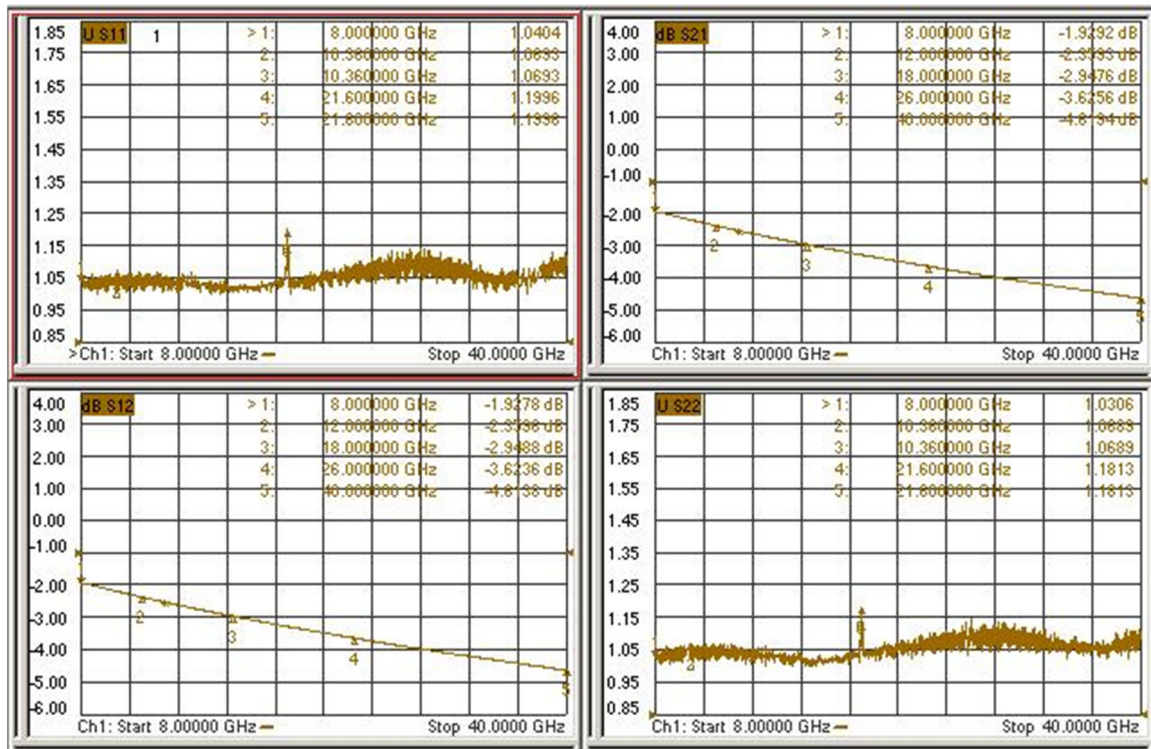
WCA204 Raw Cable Electrical Specification									
Cut-Off Frequency	40GHz								
Operating Frequency	40GHz								
Frequency	1	3	6	10	12.4	18	26.5	40GHz	
Attenuation	0.38	0.66	0.94	1.22	1.36	1.65	2.03	2.52	dB/m
Power	505	289	203	156	139	115	94	75	W
Velocity of Propagation	76%								
Shielding Effectiveness	90dB(Min.)								
Phase Stability	$\pm 5^\circ$ @40GHz								
Amplitude stability	± 0.1 dB								
Impedance	50 ohm								
Min. Static Bending Radius	18.2mm								
Min. Dynamic Bending Radius	35.5mm								

WCA204 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.90 mm
Dielectric	PTFE	2.66 mm
Inner Shield	Silver Plated Copper Strip	2.86 mm
Interlayer	PTFE	3.10 mm
Outer Shield	Silver Plated Copper	3.53 mm
Jacket	FEP	4.50mm

WCA204 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

Cable Assembly Specification	
40GHz WCA204 Flexible Cable Assembly 2.92mm(M)-2.92mm(M)	
Part No.	WCBA-WCA20429M.29MXXX (XXX:Length,Unit: Meters)
Frequency	40GHz (max.)
Connection 1	2.92mm Male
Connection 2	2.92mm Male
VSWR	1.25:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Report



2.92mm Male-2.92mm Male(2M)