

Part No. WCBA-WCA2051.85M.1.85MXXX.PS

**65GHz WCA205 Flexible Cable Assembly with PS Type Armor
1.85mm(M)-1.85mm(M)**



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



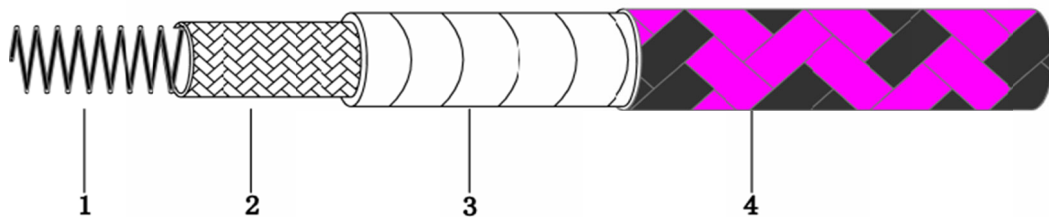
WCA205 Raw Cable Electrical Specification									
Cut-Off Frequency	83GHz								
Operating Frequency	67GHz								
Frequency	1	10	12.4	18	26.5	40	50	67	GHz
Attenuation	0.64	2.10	2.35	2.87	3.54	4.44	5.03	5.93	dB/m
Power	97	29	26	21	17	14	12	10	W
Velocity of Propagation	81%								
Shielding Effectiveness	90dB Min.								
Phase Stability	±9°@65GHz								
Amplitude Stability	±0.15dB@65GHz								
Impedance	50 ohm								
Min. Static Bending Radius	12.0mm								
Min. Dynamic Bending Radius	24.0mm								

WCA205 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	0.50mm
Dielectric	PTFE	1.38 mm
Inner Braid	Silver Plated Copper Strip	1.54 mm
Interlayer	PTFE	1.82mm
Outer Braid	Silver Plated Copper	2.17 mm
Jacket	FEP	2.40 mm

WCA205 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

WCA205 PS Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	4.95±0.1 mm
Interlayer	Tinned wire	5.2±0.1 mm
Wrap layer	PTFE	5.5±0.1mm
Outer Jacket	PTFE	6.0±0.15 mm
Min. Bending Radius		30mm
Max. Bending Radius		60mm



WCA205 PS Type Armor Environmental Specification

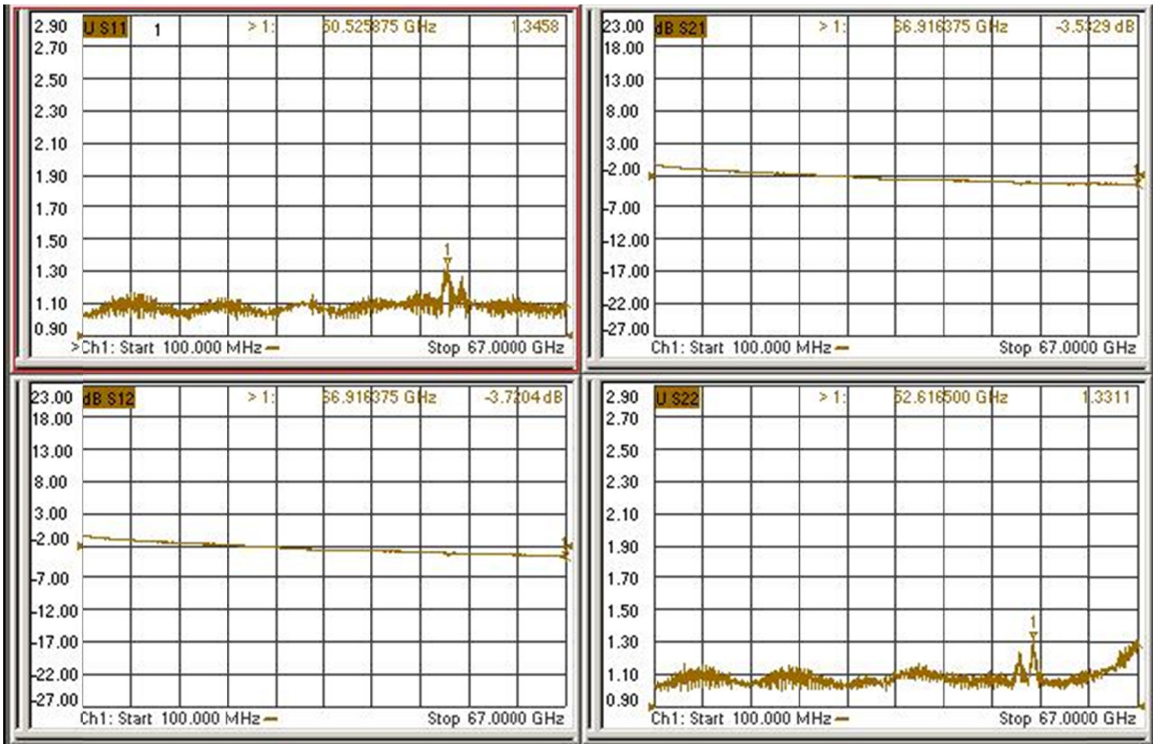
Operating Temperature	-40 ~+165℃
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Cable Assembly Specification

65GHz WCA205 Flexible Cable Assembly with PS Type Armor 1.85mm(M)-1.85mm(M)

Part No.	WCBA-WCA2051.85M.1.85MXXX.PS (XXX:Length,Unit: Meters)
Frequency	65GHz (max.)
Connection 1	1.85mm Male
Connection 2	1.85mm Male
VSWR	1.35:1(Max.) Length ≥ 2.5M:1.40:1(Max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test Report



1.85mm(M)-1.85mm(M) 60cm