

Part No. WCBA-WCA04SE.SMXXX.DA Series

18GHz WCA04 with DA Type Armor Flexible Cable Assembly SMA(F)-SMA(M)



Features:

- Low Insertion Loss
- Excellent Phase Stability over Flexure



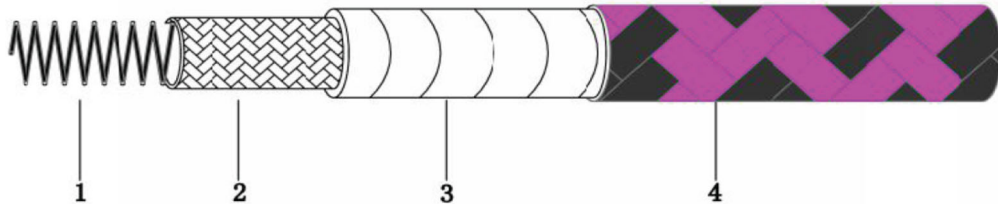
WCA04 Raw Cable Electrical Specification								
Cut-Off Frequency	19GHz							
Operating Frequency	18GHz							
Frequency	0.5	1	3	6	10	12.4	18	GHz
Attenuation	0.10	0.15	0.26	0.37	0.49	0.55	0.67	dB/m
Power	2579	1812	1030	717	547	488	399	W
Velocity of Propagation	83%							
Shielding Effectiveness	90dB(Min.)							
Phase Stability	$\pm 3^\circ$ @18GHz							
Amplitude stability	± 0.1 dB @18GHz							
Temp. Phase Stability PPM	750@-55~85°C							
Impedance	50 ohm							
Min. Static Bending Radius	39mm							
Min. Dynamic Bending Radius	78mm							

WCA04 Raw Cable Mechanical / Material Specification		
Description	Material	Diameter
Center Conductor	Silver Plated Copper	2.30 mm
Dielectric	PTFE	6.20 mm
Inner Braid	Silver Plated Copper Ribbon	6.44 mm
Outer Braid	Silver Plated Copper	7.16 mm
Jacket	FEP	7.90 mm

WCA04 Raw Cable Environmental Specification	
Operating Temperature	-55 ~+165°C

WCA04 DA Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	10.9±0.1 mm
Interlayer	Silver Plated Copper	11.5±0.1 mm
Wrap layer	PTFE	12.0±0.1mm
Outer Jacket	PTFE	12.5±0.15 mm
Min. Bending Radius		60mm
Max. Bending Radius		120mm



WCA04 DA Type Armor Environmental Specification

Operating Temperature	-40~+165℃
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Cable Assembly Specification

18GHz WCA04 with DA Type Armor Flexible Cable Assembly SMA(F)-SMA(M)

Part No.	WCBA-WCA04SF.SMXXX.DA (XXX:Length,Unit: Meters)
Frequency	18GHz (max.)
Connection 1	SMA Male
Connection 2	SMA Female
VSWR	1.2:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	