

Part No. WCBA-WCA0929M.29MXXX.PS Series

40GHz WCA09 Flexible Cable Assembly with PS Type Armor 2.92mm(M)-2.92mm(M)



Features:

- Low VSWR
- Low Insertion Loss
- High Reliability



WCA09 Raw Cable Electrical Specification

Cut-off Frequency	45GHz								
Max. Operating Frequency	40GHz								
Frequency	3	6	8	10	12.4	18	26.5	40	GHz
Attenuation	0.83	1.12	1.26	1.39	1.52	1.83	2.20	2.73	dB/m Typ.
Power	286	195	171	152	133	112	89	72	Watts
Velocity of propagation	82%								
Shielding Effectiveness	90 dB min.								
Phase Stability	$\leq \pm 8^\circ @ 40\text{GHz}$								
Amplitude Stability	$\leq \pm 0.15\text{dB} @ 40\text{GHz}$								
Min. Bending Radius: installation	16 mm								
Min. Bending Radius: Repeated	40mm								
Impedance	50 ohm								

WCA09 Raw Cable Mechanical/ Material Specification

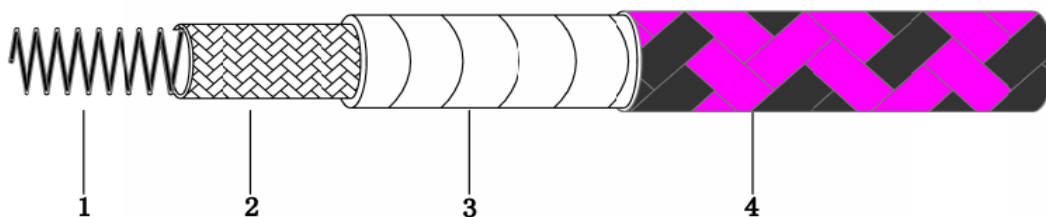
Description	Diameter	Material
Center Conductor	0.91 mm	Silver Plated Copper
Dielectric	2.50mm	PTFE
Inner Shield	2.66mm	Silver Plated Copper Strip
Interlayer	2.86mm	PTFE
Outer Shield	3.39 mm	Silver Plated Copper
Jacket	3.90mm	FEP

WCA09 Raw Cable Environmental Specification

Operating Temperature	-55 ~+165°C
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WCA09 PS Type Armor Mechanical / Material Specification

Description	Material	Diameter
Spring	Stainless Steel	6.4mm
Interlayer	Tinned wire	6.9mm
Wrap layer	PTFE	7.15mm
Outer Jacket	PTFE	7.55 mm
Min. Bending Radius		30mm
Max. Bending Radius		80mm

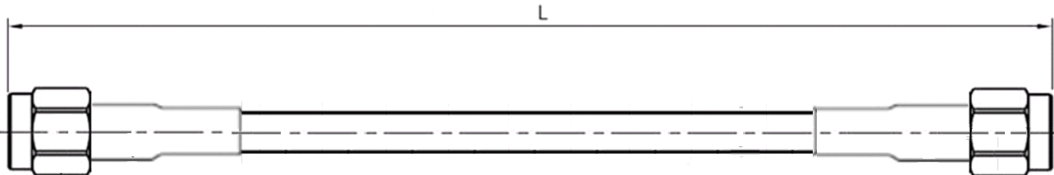


WCA09 PS Type Armor Environmental Specification

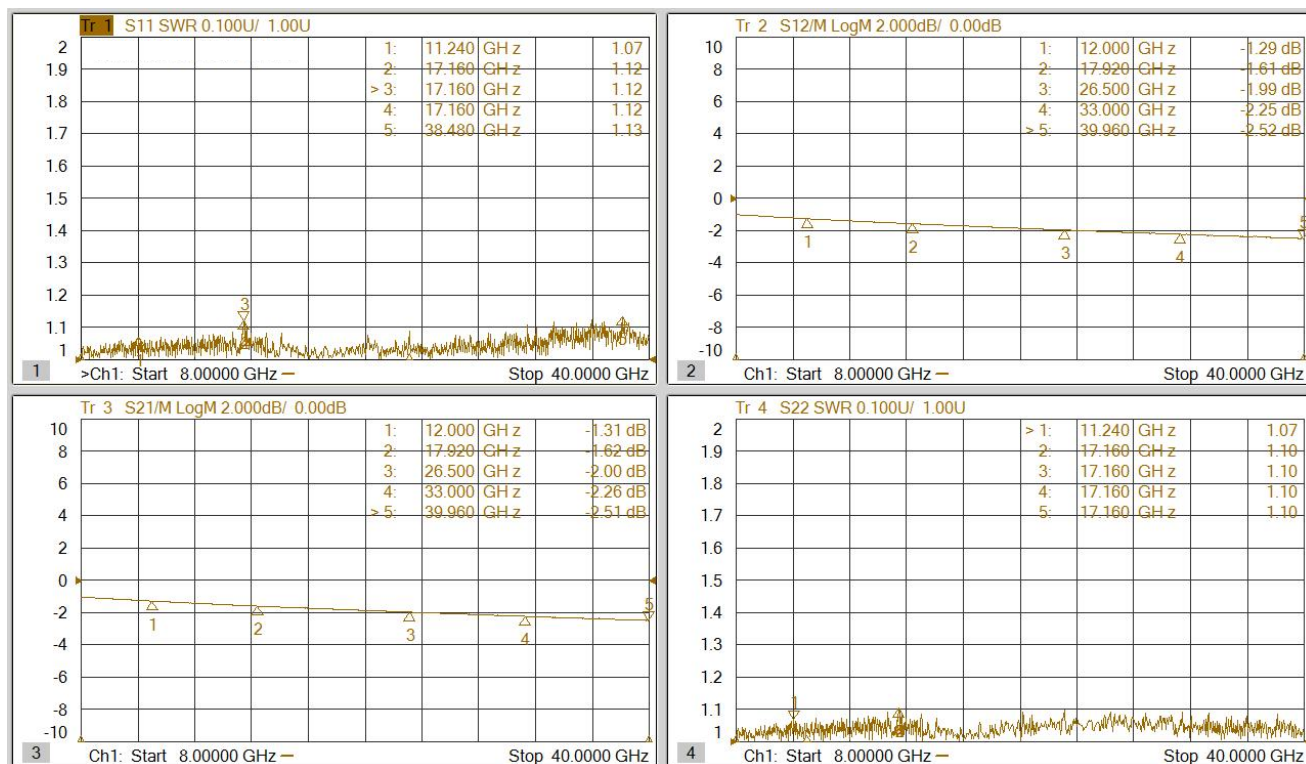
Operating Temperature	-40 ~+165°C
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Cable Assembly Specification

40GHz WCA09 Flexible Cable Assembly with PS Type Armor 2.92mm(M)-2.92mm(M)

Part No.	WCBA-WCA0929M.29MXXX.PS (XXX:Length,Unit: Meters)
Frequency	40GHz (max.)
Connection 1	2.92mm Male
Connection 2	2.92mm Male
VSWR	1.3:1(max.)
Outline (Unit: Meters) Unless Otherwise Specified Linearity Tolerance: 100~200mm:±8mm >200mm:±1.5%	

Test curve



2.92mm(M)-2.92mm(M) 1M