

CWA40P Ultra Low Loss Phase Stable Flexible Cable Assemblies

Construction

Item	Dimension(mm)	Material
Center Conductor	0.72	Silver-plated copper
Dielectric	2.21	LDPTFE
Inner Shield	2.38	Silver plated copper strip
Inner Layer	2.68	PET
Outer Shield	3.14	Silver-plated copper braid
Jacket	3.60	FEP



Electrical Specifications

Frequency (GHz)	50
Impedance (Ohms)	50
Velocity	74%
Shielding Effectiveness (dB)	90
Operation Voltage (V,DC)	1000
Mechanical Phase (ϵ)	5°@40GHz (360 degree wrap around repeat bend radius)

Mechanical Specifications

Bend Radius (mm)	14.00
Weight (g/m)	33
Temperature (°C)	-55 - +165

Attenuation and Power Handling

@+25°C and sea level

Frequency MHz	dB/100m	Ave Power
2000	62.2	0.288
4000	88.5	0.202
6000	108.8	0.165
8000	126.2	0.146
10000	141.5	0.127
12000	155.4	0.115
16000	180	0.099
18000	193.9	0.092
26500	234.6	0.078
40000	291.5	0.061
50000	328.5	0.055