

CWA22 Ultra Low Loss Phase Stable Flexible Cable Assemblies

Construction

Item	Dimension(mm)	Material
Center conductor	0.50	silver-plated copper
Dielectric		ePTFE
Shield	2.00	silver-plated copper shield
Jacket	2.20	FEP

Electrical Specification

Frequency(GHz)	65
Impedance(Ohms)	50
Velocity	82%
Shielding effectiveness(dB)	90
Operation Voltage(V,DC)	1000
Mechanical Phase (°)	1°@6GHz/ 3 °@18GHz (360 degree wrap around repeat bend radius)
Phase Change vs . Temp (PPM @-55°C-85°C)	500

Attenuation and Power Handling

@+25°C and sea level

Frequency MHz	dB/100m	Power kW
4000	129.1	0.132
6000	159.7	0.107
8000	186.0	0.092
10000	209.5	0.082
12000	231.0	0.074
14000	251.0	0.068
18000	287.7	0.040
26500	370.0	0.022
40000	498.0	0.018
50000	576.0	0.013
65000	640.1	0.010

Mechanical Specification

Bend Radius (mm)	11
weight (g/M)	160
Temperature(°C)	-55~+165

