

# MMCLLCB32S

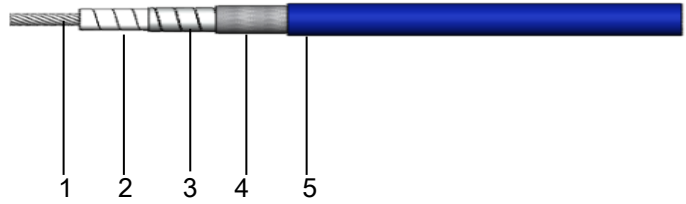
Ultra Low Loss Phase Stable Coax Cable



Your Source for R/F And Microwave Components

## Features & Benefits

- 83%Vp PTFE Tape+SPC Foil
- Ultra Low Loss, Excellent Temp Phase Stable
- Equivalent to cnx3507
- Replace to UFB142A, HF130,IW1401,



## Construction Specification

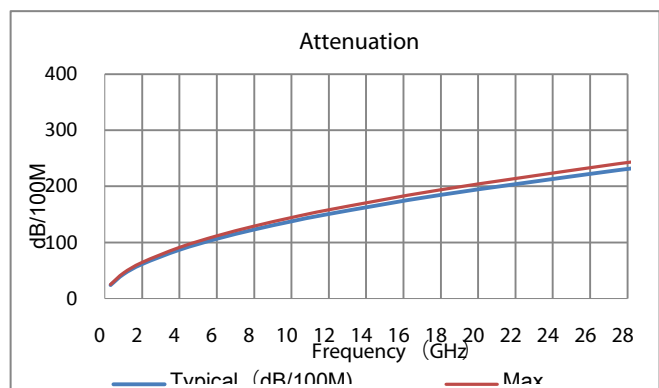
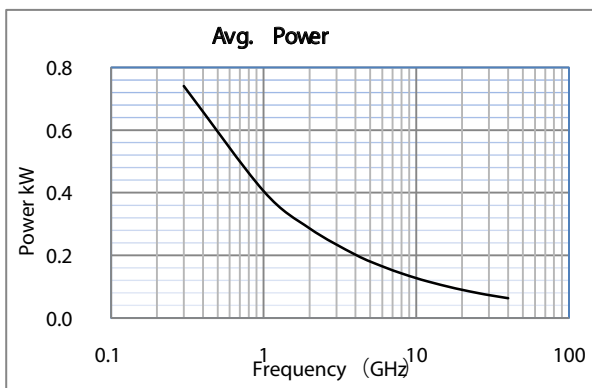
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.03	Silver Plated Copper
2	Dielectric	2.48	N/A	LD PTFE
3	Outer conductor	2.72	2.75 Max	Silver Plated Copper Foil
4	Outer shield	3.10	3.40 Max	Silver Plated Copper
5	Jacket	3.60	±0.10	Blue FEP

## Mechanical & Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	36
Weight (g/m)	35
Temp, Operating&Installation (°C)	-55~165
Temp, Storage (°C)	-65~165

## Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	82%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	1500



	Attenuation (Typical@25°C&VSWR=1.0)				Power (VSWR=1.0;40°C;Sea Level)							
Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	18000	26500	30000	40000
dB/100 m	23.7	43.3	61.3	86.8	106.4	122.9	137.4	150.6	184.7	224.4	238.8	276.1
Avg.Power kW	0.740	0.405	0.286	0.202	0.165	0.143	0.128	0.117	0.095	0.078	0.073	0.064
	K1= 1.3684700				K2= 0.0000600							

$$\text{Calculate Attenuation} = K1 \cdot \sqrt{\text{FMHz}} + K2 \cdot \text{FMHz}$$

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