

GFP460

Flexible, Low-Loss, Resistance to High Power,
Phase & Amplitude Stable Coaxial Cable



Structure & Dimension

	Structure	Dimension (mm)	Material
1	Inner Conductor	1.02	Silver Plated Copper
2	Insulating	3.07	LD-PTFE
3	Outer Conductor	3.27	Silver Plated Copper Ribbon
4	Sandwich Layer	3.43	Aluminum Foil (High temperature)
5	Shielding	3.94	Silver Plated Copper
6	Jacket	4.60	FEP

Specification

1	Operating Frequency (GHz)	18
2	Impedance (Ohms)	50
3	Phase Stability	$\leq \pm 5^\circ$ @18GHz
4	Phase Stability (Temperature)	$< 1400\text{PPM}@-55^\circ\text{C} \sim +85^\circ\text{C}$
5	Amplitude Stability	$\leq \pm 0.15\text{dB}@18\text{GHz}$
6	Velocity of Propagation	76%
7	Voltage Withstand (V, DC)	1000
8	Shielding Effectiveness (dB)	> 100
9	Weight (g/m)	52
10	Single Bend Radius (mm)	23.00
11	Repeated Bend Radius (mm)	46.00
12	Temperature Range (°C)	$-55 \sim +200$

Attenuation VS. Frequency VS. Power

Frequency (MHz)	100	300	500	1000	2000	3000	6000	8000	10000	12400	18000
Attenuation (dB/m)	0.111	0.192	0.249	0.354	0.504	0.620	0.888	1.032	1.160	1.299	1.584
Average Power (KW)	1.821	1.047	0.809	0.569	0.400	0.325	0.227	0.195	0.174	0.155	0.127



Add: 569 Huaxu Road, Qingpu Shanghai, P. R. China

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com