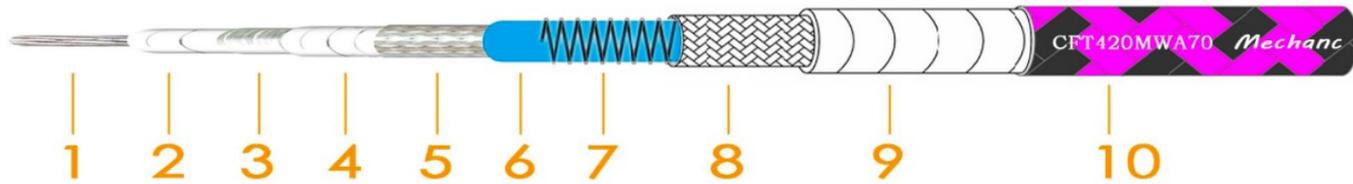


CFT420MWA70

Flexible, Low-Loss, Long Bending Life,
Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension									
	Structure	Dimension (mm)	Material						
1	Inner Conductor	1.02	Silver Plated Copper (Multi-fiber Stranded)						
2	Insulating	2.80	LD-PTFE						
3	Outer Conductor	2.95	Silver Plated Copper Ribbon						
4	Sandwich layer	3.20	PTFE						
5	Shielding	3.62	Silver Plated Copper						
6	Jacket	4.20	FEP						
7~9	Armor Layer	6.40	Fusion of Multiple Materials						
10	Armor Jacket	7.00	Bicolor PTFE Weaving						
Specification									
1	Operating Frequency (GHz)		40						
2	Impedance (Ohms)		50						
3	Phase Stability		$\leq \pm 3^\circ @ 18\text{GHz}$; $\leq \pm 5^\circ @ 26.5\text{GHz}$						
4	Phase Stability (Temperature)		$< 750\text{PPM} @ -55^\circ\text{C} \sim +85^\circ\text{C}$						
5	Amplitude Stability		$\leq \pm 0.05\text{dB} @ 40\text{GHz}$						
6	Velocity of Propagation		81%						
7	Voltage Withstand (V,DC)		500						
8	Shielding Effectiveness(dB)		> 90						
9	Single Bend Radius(mm)		40.00						
10	Single Bend Radius(mm)		70.00						
11	Life Cycle		10万						
12	Temperature Range($^\circ\text{C}$)		$-55 \sim +165$						
Attenuation VS. Frequency VS. Power									
Frequency (MHz)	1000	2000	4000	8000	10000	12400	18000	26500	40000
Attenuation (dB/m)	0.394	0.560	0.797	1.138	1.277	1.427	1.733	2.123	2.641
Average Power (KW)	0.567	0.399	0.280	0.196	0.175	0.157	0.129	0.105	0.085