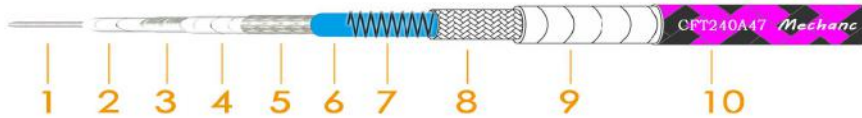


CFT240A47

Flexible, Low-Loss, Long Bending Life,

Suitable for Precision Testing, Phase & Amplitude Stable Coaxial Cable



Structure & Dimension

| | Structure | Dimension (mm) | Material |
|-----|-----------------|----------------|------------------------------|
| 1 | Inner Conductor | 0.50 | Silver Plated Copper |
| 2 | Insulating | 1.38 | LD-PTFE |
| 3 | Outer Conductor | 1.54 | Silver Plated Copper Ribbon |
| 4 | Sandwich layer | 1.82 | PTFE |
| 5 | Shielding | 2.17 | Silver Plated Copper |
| 6 | Jacket | 2.40 | FEP |
| 7~9 | Armor Layer | 4.20 | Fusion of Multiple Materials |
| 10 | Armor Jacket | 4.70 | Bicolor PTFE Weaving |

Specification

| | | |
|----|---|---------------------------------|
| 1 | Operating Frequency (GHz) | 67 |
| 2 | Impedance (Ohms) | 50 |
| 3 | Phase Stability | $\leq \pm 7^\circ$ @67GHz |
| 4 | Phase Stability (Temperature <750PPM@-55°C~+85°C) | |
| 5 | Amplitude Stability | $\leq \pm 0.05\text{dB}$ @67GHz |
| 6 | Velocity of Propagation | 81% |
| 7 | Voltage Withstand (V, DC) | 500 |
| 8 | Shielding Effectiveness (dB) | >90 |
| 9 | Single Bend Radius (mm) | 30.00 |
| 10 | Repeated Bend Radius (mm) | 50.00 |
| 11 | Life Cycle | 100000 |
| 12 | Temperature Range (°C) | -55~+165 |

Attenuation VS. Frequency VS. Power

| | | | | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | 300 | 500 | 1000 | 3000 | 6000 | 10000 | 12400 | 18000 | 26500 | 35000 | 40000 | 50000 | 67000 |
| Attenuation (dB/m) | 0.346 | 0.448 | 0.637 | 1.119 | 1.604 | 2.098 | 2.352 | 2.871 | 3.540 | 4.124 | 4.440 | 5.028 | 5.932 |
| Average Power (KW) | 0.178 | 0.137 | 0.097 | 0.055 | 0.038 | 0.029 | 0.026 | 0.021 | 0.017 | 0.015 | 0.014 | 0.012 | 0.010 |



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

Email: sales@mechanc.com

Tel: +86-021-54667179

Web: www.mechanc.com