

# CFS480T

Flexible, Ultra Low-Loss,

Phase & Amplitude Stable RF Coaxial Cable

Ver: S-A01



## Structure & Dimension

|   | Structure       | Dimension (mm) | Material                    |
|---|-----------------|----------------|-----------------------------|
| 1 | Inner Conductor | 1.40           | Silver Plated Copper        |
| 2 | Insulating      | 3.75           | LD-PTFE                     |
| 3 | Outer Conductor | 3.95           | Silver Plated Copper Ribbon |
| 4 | Sandwich layer  | 4.20           | PTFE                        |
| 5 | Shielding       | 4.65           | Silver Plated Copper        |
| 6 | Jacket          | 5.10           | FEP                         |

## Specification

|   |                             |          |
|---|-----------------------------|----------|
| 1 | Operating Frequency(GHz)    | 26.5     |
| 2 | Impedance(Ohms)             | 50       |
| 3 | Velocity of Propagation     | 83%      |
| 4 | Voltage Withstand (V,DC)    | 1500     |
| 5 | Shielding Effectiveness(dB) | ≥90      |
| 6 | Weight(g/m)                 | 58       |
| 7 | Single Bend Radius(mm)      | 26.00    |
| 8 | Repeated Bend Radius(mm)    | 51.00    |
| 9 | Temperature Range(°C)       | -55~+165 |

## Attenuation (Typical@25°C & VSWR=1.0) VS. Frequency VS. Power (VSWR=1.0; 40°C; Sea Level)

|                    |       |       |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz)    | 1000  | 2000  | 3000  | 6000  | 8000  | 10000 | 12400 | 18000 | 26500 |
| Attenuation (dB/m) | 0.241 | 0.342 | 0.421 | 0.601 | 0.697 | 0.783 | 0.876 | 1.066 | 1.308 |
| Average Power (KW) | 1.050 | 0.738 | 0.600 | 0.420 | 0.362 | 0.323 | 0.288 | 0.237 | 0.193 |

$$K1=0.7504000$$

$$K2=0.0003280$$

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



ADD: No. 299 Songqiu Rd, Shanghai China

WEB: [www.mechanc.com](http://www.mechanc.com)

TEL: +86-021-5466 7179 (+86 150 0036 1136)

MAIL: [hgh@mechanc.com](mailto:hgh@mechanc.com)