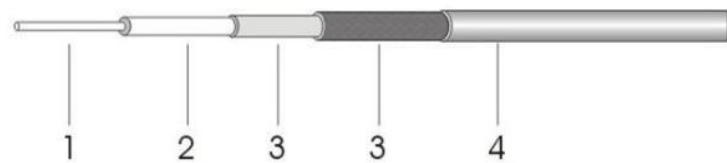


12D-FB Coaxial Cable



12D-FB cable, its high-performance of attenuation allows coaxial cable to be used in different RF system, such as 3G, 4G mobile communication.

Wide range of applications, such as indoor distribution, broadcast, different base stations, wireless cellular, and others. Lower VSWR and perfect shielding effectiveness lead to fewer energy loss and outer interference.



Mechanical Construction

| Property | Material | Diameter(mm) |
|--------------------|--|--------------|
| 1. Inner conductor | Copper-clad aluminum (CCA) | φ 4.40 |
| 2. Dielectric | Foam PE (FPE) | φ 12.40 |
| 3. Outer conductor | Al Foil /Tinned Copper braid (AF/TC); Al Foil /Al Magnesium braid (AF/AM) | φ 13.50 |
| 4. Jacket | PVC Black; PE Black | φ 15.60 |

Properties

| Property | Value |
|---------------------------|--|
| Characteristics Impedance | 50±2 Ω |
| Rated capacitance | 81 pf/m |
| Velocity | 82.00% |
| Jacket spark voltage | 5.0 kv |
| Shielding attenuation | 85dB |
| Minimum bending radius | 78mm |
| Operating temperature | -25 ~ +70°C for PVC jacket ; -40 ~ +80°C for PE jacket |
| RoHS | Compliant |

Attenuation

| Frequency(MHz) | Attenuation(20°C, dB/100m) |
|----------------|----------------------------|
| 220MHz | 3.9 |
| 450MHz | 5.6 |
| 900MHz | 8.2 |
| 1800MHz | 12.1 |
| 2000MHz | 12.8 |
| 2500MHz | 14.5 |
| 5800MHz | 23.8 |