



## Huaptec 5D-FB

### Overview

5D-FB Coaxial cable is used to transmit radio frequency (RF) signal. Its working frequency range: 0—3GHz



### Key Features

- Low loss
- Low VSWR
- Low transmission delay
- Minimum attenuation



## Specification

### Structural Parameters

Project	material	Diameter(mm)
Inner conductor	Solid Copper or Copper Clad Aluminum	1.80
Dielectric	Physical Foam Polyethylene	5.00
First shield	Bonded Aluminum/Polyester/ Aluminum tape	5.20
Outer conductor	Tinned Copper Braid	5.70
Jacket	Black PVC or Polyethylene	7.50

### Electrical Parameters

### Mechanical Parameter

Capacitance(Pf/M)	82
Impedance (ohm)	50
Velocity(%)	82
Inner Conductor DC Resistance ( $\Omega$ /KM)	6.8/10.5
Outer Conductor DC Resistance ( $\Omega$ /KM)	14.1
Shielded attenuation (dB)	>80

### Mechanical and environment Parameters

Storage temperature( $^{\circ}$ C)	-25 to +70
Installation temperature( $^{\circ}$ C)	-25 to +70
Working temperature( $^{\circ}$ C)	- 25 to +70
Minimum bend radius(mm)	27

### VSWR

5-3000MHz	$\leq 1.20$
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### Attenuation(20 $^{\circ}$ C)

Frequency(MHz)	Attenuation(dB/100m)
150	7.80
280	10.80
350	12.10
400	13.00
900	20.20
1200	23.70
1500	26.80
1800	29.70
2200	33.30
2500	35.80