



Huaptec 3D-FB

Overview

3D-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 Steel	1.02
Dielectric	Physical Foam Polyethylene	3.00
First shield	Bonded Aluminum/Polyester/ Aluminum tape	3.20
Outer conductor	Tinned Copper Braid	3.55
Jacket	Black PVC or Polyethylene	5.00

Electrical Parameters

Mechanical Parameter

Capacitance(Pf/M)	82
Impedance (ohm)	50
Velocity(%)	81
Inner Conductor DC Resistance (Ω /KM)	19.2/65.2
Outer Conductor DC Resistance (Ω /KM)	16.3
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	≤ 1.20
-----------	-------------

Attenuation(20° C)

Frequency(MHz)	Attenuation(dB/100m)
150	13.00
280	17.50
350	19.50
400	21.00
900	31.60
1200	37.00
1500	41.50
1800	45.60
2200	50.60
2500	54.10