

5D-FB

50 Ohm Coaxial Cable



PHYSICAL DIMENSION

	Material	Diameter(mm)
1. Inner Conductor	BC or CCA	1.80
2. Dielectric	Foamed PE	5.00
3. First Shield	Bonded Aluminum Foil	5.20
4. Outer Conductor	Tinned Copper	5.70
5. Jacket	PVC or PE	7.50

ELECTRICAL & MECHANICAL PROPERTIES

Capacitance (pF/m)	50	
Impedance(ohms)	82	
Velocity of Propagation(%)	82	
Inner Conductor DC Resistance(Ω /km)	6.8/10.5	
Outer Conductor DC Resistance(Ω /km)	14.1	
Shielding Effectiveness(\geq dB)	80	
Storage Temperature($^{\circ}$ C)	-25~+70	
Installation Temperature($^{\circ}$ C)	-25~+70	
Operation Temperature($^{\circ}$ C)	-25~+70	
Min. Bending Radius(mm)	152	
	Frequency	dB
	5~3000MHz	1.20 (20)
VSWR \leq (Return loss \geq dB)	800~1000MHz	1.10 (26)
	1700~2000MHz	1.15 (23)
	2000~2400MHz	1.15 (23)

ATTENUATION (20 $^{\circ}$ C)

Frequency(MHz)	Attenuation(dB/100m)	Frequency(MHz)	Attenuation(dB/100m)
100	6.30	1800	29.70
350	12.10	1900	30.60
800	18.90	2000	31.50
1200	23.70	2200	33.30
1500	26.80	2500	35.80