

# Hangzhou Sanyuan Cable Co.,Ltd

## 5D-FB

### Construction

	Material	Diameter(mm)
<b>Inner conductor</b>	Bare Copper or Copper Clad Aluminium	1.8
<b>Dielectric</b>	Foam PE	5
<b>First Shield</b>	Bonded Aluminum Foil	5.2
<b>Second Shield</b>	Tinned Copper Wire Braid (70%)	16x7x0.12
<b>Jacket</b>	PVC or PE	7.5

### Electrical Characteristics

Impedance( $\Omega$ )	50 $\pm$ 3
Capacitance(pF/m)	82 $\pm$ 2
Velocity of Propagation(%)	82
Dielectric Strength(KV)	1.6
V.S.W.R	$\leq$ 1.3
Return Loss	$\geq$ 20
Screening Effectiveness	$\geq$ 85
Min. bending Radius(mm)	35
Operating temp.( $^{\circ}$ C)	Subzero 25 to +70

### Attenuation ( @20 $^{\circ}$ C)

Frequency(MHz)	Max Attenuation(dB/100m)
100	6.3
150	7.8
280	10.9
350	12.2
400	13
800	18.9
900	20
1200	24
1500	27.2
1800	29.7
1900	31.3
2000	32.5
2200	33.3
2500	35.8
3000	40.9