

# Hangzhou Sanyuan Cable Co.,Ltd

## 5D-FB

### Construction

	Material	Diameter(mm)
<b>Inner conductor</b>	Bare Copper or Copper Clad Aluminium	2.6
<b>Dielectric</b>	Foam PE	7.3
<b>First Shield</b>	Bonded Aluminum Foil	7.5
<b>Second Shield</b>	Tinned Copper Wire Braid (90%)	16x9x0.15
<b>Jacket</b>	PVC or PE	9.8

### Electrical Characteristics

Impedance( $\Omega$ )	50 $\pm$ 3
Capacitance(pF/m)	84 $\pm$ 2
Velocity of Propagation(%)	82
Dielectric Strength(KV)	1.6
V.S.W.R	$\leq$ 1.3
Return Loss	$\geq$ 20
Screening Effectiveness	$\geq$ 90
Min. bending Radius(mm)	45
Operating temp.( $^{\circ}$ C)	Subzero 25 to +70

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

Frequency(MHz)	Max Attenuation(dB/100m)
100	4.3
150	5.4
280	7.5
350	8.4
400	9
800	12.8
900	14.1
1200	16.8
1500	19.2
1800	21.4
1900	22.2
2000	23.2
2200	23.9
2500	25.6
3000	29.5