

# SF-250 FEP



## Construction

Item	Material	Diameter	Remark
Center Conductor	SPC	1.63 mm ( 0.064 inch )	Solid
Dielectric	PTFE	5.31 mm ( 0.209 inch )	Solid
Outer Conductor	Tin Plated Copper Braid & Tin Soaked	6.35 mm ( 0.250 inch )	100% Coverage
Jacket	FEP	6.80 mm ( 0.268 inch )	Blue

## Electrical & Mechanical Data

Characteristic Impedance	50 $\Omega$
Operating Frequency	18 GHz ( Max. )
Velocity of Propagation	70 %
Capacitance	96.4 pF/m
Operating Temperature	- 65°C ~ 165°C
Shield Effectiveness	> -110 dB
Working Voltage	3500 Vrms ( Max. )
Weight	130.0 kg / km
Min. Bending Radius	30 mm ( Single )

## Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
0.4	0.15	0.046
1	0.25	0.076
3	0.52	0.158
10	1.08	0.329
15	1.30	0.396
18	1.55	0.472