

## SF 086-50-FEP Specification

### Size

Item	Material	Diameter (mm)
Center conductor	Silver plated copper wire	0.56
Dielectric	PTFE	1.70
Outer braid	Tin-soaked-tin plated copper	2.20
Jacket	FEP	2.60

### Electronics

Capacitance (pF/m)	94
Impedance (ohm)	$50 \pm 2$
Velocity of signal propagation (%)	70
Delay (ns/m)	4.8
Working voltage max. (kV rms)	1.5
Shielding effectiveness (dB)	$< -110$

### 20°C attenuation and power

Frequency (MHz)	Attenuation (dB/100m)	Average Power (W)
400	43	253
1000	70	157
1800	97	116
2000	102	110
2400	113	100
3000	127	89
5000	172	69
10000	249	47
18000	346	33

## Mechanical and Environmental

Minimum bend radius , single bend (mm)	6
Minimum bend radius , dynamic use (mm)	25
Flame resistance	IEC 60332-3-24
RoHS	Meet RoHS requirement
Temperature (°C)	-25/+80
Weight (kg/km)	21