

# SF-141 FEP



## Construction

Item	Material	Diameter	Remark
Center Conductor	SPCW	0.94 mm ( 0.037 inch )	Solid
Dielectric	PTFE	2.95 mm ( 0.116 inch )	Solid
Outer Conductor	Tin Plated Copper Braid & Tin Soaked	3.58 mm ( 0.141 inch )	100% Coverage Blue, Orange,
Jacket	FEP	4.10 mm ( 0.161 inch )	White, Red, Yellow

## Electrical & Mechanical Data

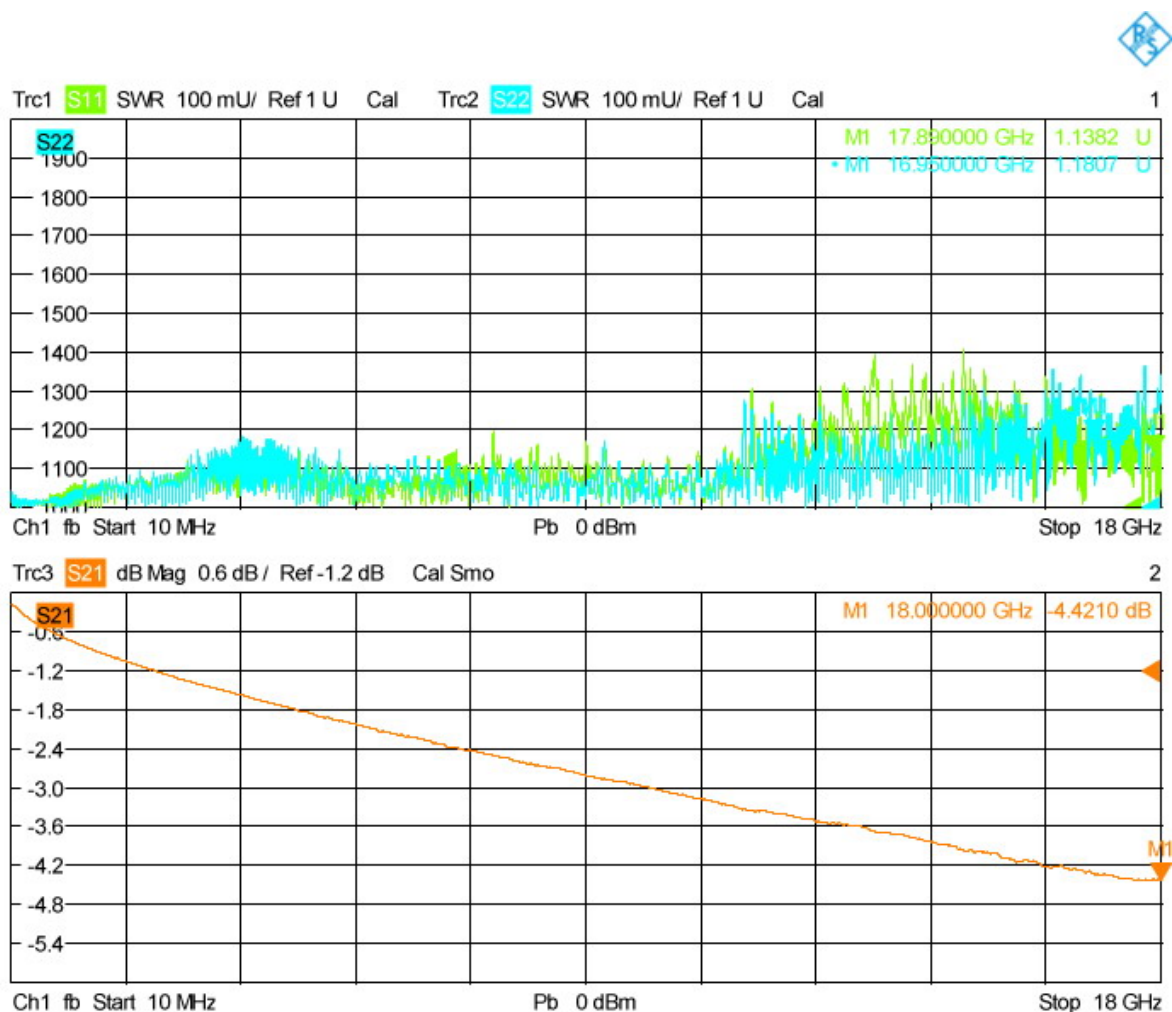
Characteristic Impedance	50 $\Omega$
Operating Frequency	20 GHz ( Max. )
Velocity of Propagation	70 %
Capacitance	96.4 pF/m
Operating Temperature	- 65 °C ~ 165 °C
Shield Effectiveness	> -110 dB
Working Voltage	1,900 Vrms ( Max. )
Weight	47.0 kg / km
Min. Bending Radius	8 mm ( Single )

## Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
0.5	0.26	0.079
1	0.39	0.119
3	0.69	0.210
5	0.95	0.290
10	1.48	0.451
15	1.97	0.600
18	2.23	0.680
20	2.30	0.701

# SF-141 FEP Jacket

## Типовые измерения



Измерения проводились векторным анализатором ZVA-40 на кабельной сборке длиной 2 метра и разъемами SMA-ВКП-141-1-198-1.М и N-ВКП-141-1-128-2.М.