

## Description

0.047" Semi-Flexible Coaxial Cable with FEP (Blue) Jacket.



## Construction

	Material	Diameter (mm)
Center Conductor	SPCCS	0.29
Dielectric	PTFE	0.94
Outer Conductor	TSCB	1.19
Jacket	FEP (Blue)	1.44

SPCCS: Silver Plated Copper Covered Steel

PTFE: Polytetrafluoroethylene

TSCB: Tin Soaked Copper Braid

FEP: Fluorinated Ethylene Propylene

## Technical Data

### Electrical Data: (Nominal)

Impedance	50Ω
Operating Frequency	18.0 GHz
Capacitance	98 pF/M
Insulation Resistance	1500 MΩ-KM
Velocity of Signal Propagation	70%
Signal Delay	4.7 ns/m
Voltage Withstand (AC)	1500 V rms. Min.

### Mechanical Data :

Max. Tensile Strength	1.4 KGS
Min. Bending Radius	4.0 mm (Static) 20 mm (Repeated)

### Environmental Data :

Temperature Range	-65 to 150 °C
2011/65/EU (RoHS2)	Compliant

**Attenuation**

Frequency (MHz)	Attenuation (dB/M)	Power (Watts CW)
500	0.83	46
1000	1.24	31
2000	1.78	22
3000	2.21	18
5000	2.96	13
8000	3.83	10
10000	4.31	9.2
15000	5.43	7.4
18000	6.03	6.7

**Misc. Information**

Weight	7.9 g/M
Marking	None
Package	500 M/Roll