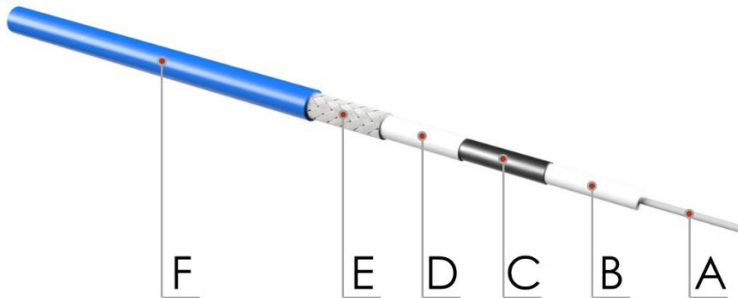


## DATASHEET



### FEATURES:

- Phase and Amplitude stable
- Very low VSWR and loss up to 50 GHz
- Flexible

## Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(SPC) Silver-plated Copper	0.72 mm (0.028 in)	Solid Core
B Dielectric	Low density PTFE	2.15 mm (0.085 in)	-
C Outer Conductor	(SPC) Silver-plated copper	2.30 mm (0.091 in)	100% Coverage Tape
D Interlayer	Low density PTFE	2.60 mm (0.102 in)	-
E Outer Shield	(SPC) Silver-plated copper	3.05 mm (0.120 in)	Braid
F Jacket	(FEP) Fluorinated Ethylene Propylene	3.60 mm (0.141 in)	Blue

## Electrical & Mechanical Data

Characteristic Impedance	50Ω
Operating Frequency	dc - 50 GHz
Velocity of Propagation	76%
Mechanical Phase Stability	<±5° @ 50 GHz
Temperature Phase Stability	<1300 ppm (-40/+85 °C)
Amplitude Stability (shaking test)	<±0.1 dB @ 50 GHz
Operating Temperature	-50 / +150 °C (-58 / 302 °F)
Storage Temperature	-60 / +160 °C (-76 / 320 °F)
Shield Effectiveness	>90 dB
Withstanding Voltage	1000 V
Weight	34 Kg/Km
Min. Bending Radius	18 mm (single), 36 mm (multiple)



## Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.3	23.9	7.3	750
2.0	62.2	19.0	288
4.0	88.5	27.0	202
8.0	126.1	38.5	142
12.0	155.4	47.4	115
18.0	191.8	58.5	93
26.5	234.8	71.6	76
40.0	291.7	88.9	61
50.0	328.5	100.2	55