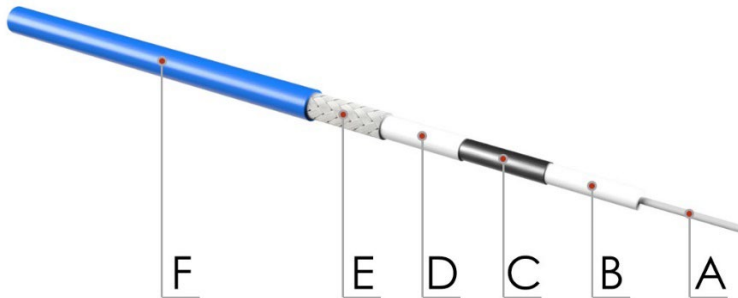


DATASHEET



FEATURES:

- Phase and Amplitude stable
- Very low VSWR and loss up to 67 GHz
- Flexible

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(SPC) Silver-plated Copper	0.51 mm (0.020 in)	Solid Core
B Dielectric	Low density PTFE	1.60 mm (0.063 in)	-
C Outer Conductor	(SPC) Silver-plated copper	1.70 mm (0.067 in)	100% Coverage Tape
D Interlayer	Low density PTFE	2.00 mm (0.079 in)	-
E Outer Shield	(SPC) Silver-plated copper	2.25 mm (0.089 in)	Braid
F Jacket	(FEP) Fluorinated Ethylene Propylene	2.60 mm (0.102 in)	Blue

Electrical & Mechanical Data

Characteristic Impedance	50Ω
Operating Frequency	dc - 67 GHz
Velocity of Propagation	74%
Mechanical Phase Stability	<±7° @ 67 GHz
Temperature Phase Stability	<1500 ppm (-40/+85 °C)
Amplitude Stability (shaking test)	<±0.15 dB @ 67 GHz
Operating Temperature	-50 / +150 °C (-58 / 302 °F)
Storage Temperature	-60 / +160 °C (-76 / 320 °F)
Shield Effectiveness	>90 dB
Withstanding Voltage	500 V
Weight	18 Kg/Km
Min. Bending Radius	13 mm (single), 26 mm (multiple)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
1.0	63.1	19.2	271
4.0	129.1	39.4	132
8.0	186.0	56.7	92
12.0	231.0	70.4	74
18.0	287.7	87.7	59
26.5	355.9	108.5	48
40.0	448.0	136.6	38
50.0	508.5	155.0	34
67.0	601.9	183.5	29