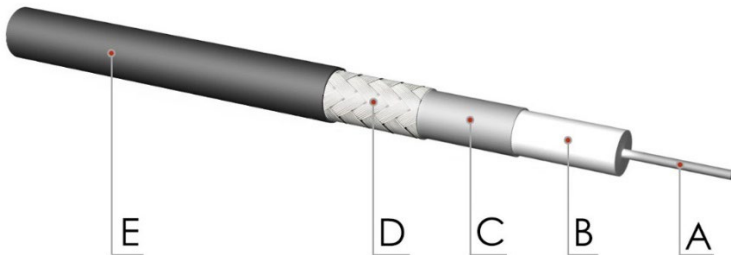


## DATASHEET



### FEATURES:

- Phase stability Vs. flexure
- Phase stability Vs. temperature
- Low loss
- Flexible
- For applications up to 40 GHz

## Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(SPC) Silver-plated Copper	0.91mm (0.036 in)	Solid Core
B Dielectric	Low density PTFE	2.50 mm (0.098 in)	-
C Outer Conductor	(SPC) Silver-plated copper	2.66 mm (0.120 in)	100% Coverage Tape
D Outer Shield	(SPC) Silver-plated copper	3.06 mm (0.280 in)	Braid
E Jacket	(FEP) Fluorinated Ethylene Propylene	3.60 mm (0.141 in)	Grey

## Electrical & Mechanical Data

Characteristic Impedance	50 Ω
Operating Frequency	dc - 40 GHz
Velocity of Propagation	83%
Mechanical Phase Stability	<±6°
Temperature Phase Stability	<680 ppm (-40/+85 °C)
Amplitude Stability (shaking test)	<±0.15 dB
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	33 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	20.4	6.2	940
1.2	41.1	12.5	466
2.5	59.8	18.2	321
4.0	76.1	23.2	252
6.0	93.8	28.6	204
8.0	108.9	33.2	176
10.0	122.3	37.3	157
12.0	134.6	41.0	142
14.0	146.0	44.5	131
18.0	166.7	50.8	115
32.0	226.6	69.1	94
40.0	255.7	78.0	75