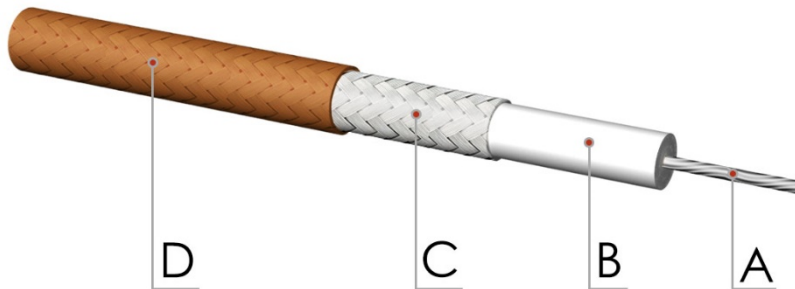


## DATASHEET



### FEATURES:

- High power handling
- High temperature
- High flexibility
- Non-magnetic conductors

## Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.96 mm (0.038 in)	Stranded (19 x 0.20 mm)
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	1.65 mm (0.065 in)	Teflon®
C Outer Conductor	SPC (Silver Plated Copper)	2.04 mm (0.080 in)	95% Coverage 80x0.10 (Braid)
D Jacket	FEP (Fluorinated Ethylene Propylene)	2.54 mm (0,100 in)	Light Brown

## Electrical & Mechanical Data

Characteristic Impedance	25Ω (±2)
Operating Frequency	dc - 8 GHz
Cutoff Frequency	50 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	204 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Working Voltage	1000 V <sub>RMS</sub> (max.)
Weight	18.2 Kg/Km
Min. Bending Radius	8 mm (single), 18 mm (multiple)



## Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	11.5	3.5	1450
30	17.2	5.2	880
50	23.0	7.0	690
100	33.0	10.1	490
150	41.0	12.5	410
500	80.0	24.4	250
1000	120.0	36.6	170
2000	198.0	60.4	128
3000	230.0	70.1	106
5000	290.0	88.4	-