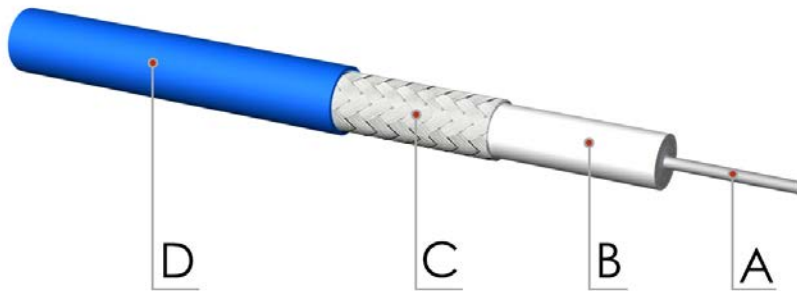


## DATASHEET



### FEATURES:

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

### Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	1.60 mm (0.063 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	2.95 mm (0.116 in)	Teflon®
C Outer Conductor	SPC (Silver Plated Copper)	3.50 mm (0.138 in)	95% Coverage 112x0.12 (Braid)
D Jacket	FEP (Fluorinated Ethylene Propylene)	4.25 mm (0.167 in)	Blue

### Electrical & Mechanical Data

Characteristic Impedance	25Ω (±2)
Operating Frequency	dc - 6 GHz (max. 8 GHz)
Cutoff Frequency	29 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	182 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Working Voltage	1500 V <sub>RMS</sub> (max.)
Weight	52.6 Kg/Km
Min. Bending Radius	10 mm (single), 40 mm (multiple)



### Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	5.2	1.59	3400
30	8.6	2.62	1800
50	11.8	3.60	1360
100	16.9	5.15	1000
150	20.5	6.25	900
500	35.6	10.86	530
1000	58.0	17.69	380
2000	96.0	29.28	240
5000	148.0	45.14	155