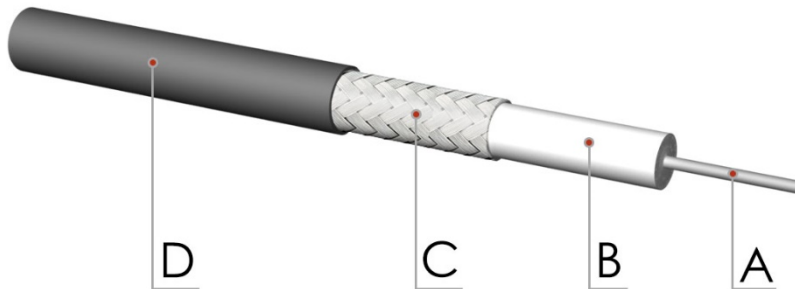


DATASHEET



FEATURES:

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

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.78 mm (0.031 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	4.25 mm (0.167 in)	Teflon®
C Outer Conductor	SPC (Silver Plated Copper)	4.75 mm (0.187 in)	95% Coverage 112x0.12 (Braid)
D Jacket	FEP (Fluorinated Ethylene Propylene)	5.60 mm (0.220 in)	Grey

Electrical & Mechanical Data

Characteristic Impedance	70.7Ω (±2)
Operating Frequency	dc - 6 GHz
Cutoff Frequency	26 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	69.5 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Working Voltage	3500 V _{RMS} (max.)
Weight	67 Kg/Km
Min. Bending Radius	30 mm (single), 80 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	2.8	0.85	4200
30	4.9	1.49	2400
50	7.0	2.13	2100
100	9.7	2.96	1560
150	12.0	3.66	1210
500	23.0	7.01	705
1000	34.4	10.49	470
2000	58.8	17.93	275
5000	90.5	27.59	192