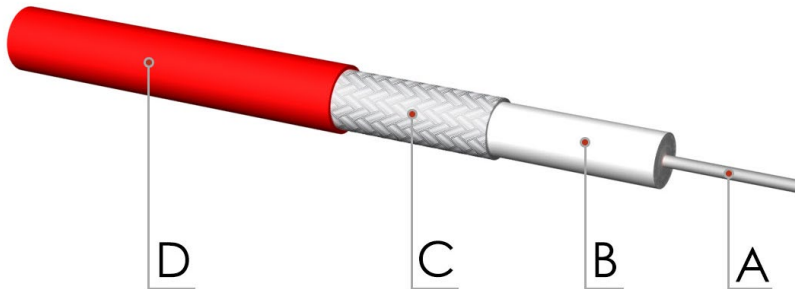


DATASHEET



FEATURES:

- Very high power handling
- High temperature
- Non-magnetic conductors
- Easy to bend

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	1.63 mm (0.064 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	5.30 mm (0.209 in)	
C Outer Conductor	TC (Tin Plated Copper)	6.30 mm (0.248 in)	100% Coverage
D Jacket	FEP (Fluorinated Ethylene Propylene)	6.80 mm (0.267 in)	Red

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 18 GHz
Cutoff Frequency	19 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	90 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 90 dB
Working Voltage	3500 V _{RMS} (max.)
Weight	128 Kg/Km
Min. Bending Radius	30 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.01	1.95	0.59	8900
0.05	4.7	1.43	4050
0.1	6.8	2.07	2880
0.15	8.3	2.53	2360
0.5	16.8	5.12	1300
1.0	24.3	7.41	915
2.0	36.6	11.16	630
5.0	65.5	19.98	407
10.0	98.9	30.16	288
12.5	118.0	35.99	250
18.0	150.0	45.75	210