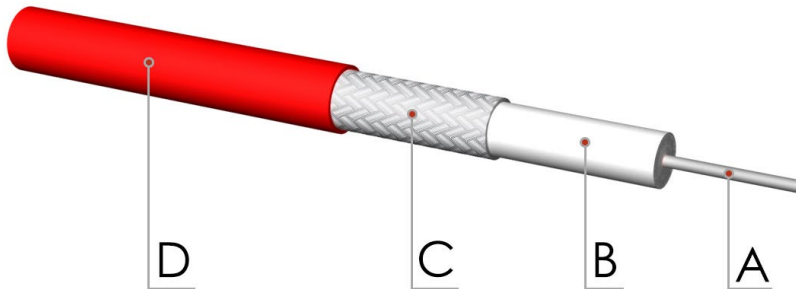


**DATASHEET**



**FEATURES:**

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

**Construction**

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.52 mm (0.020 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	2.96 mm (0.116 in)	-
C Outer Conductor	TC (Tin Plated Copper)	3.50 mm (0.138 in)	100% Coverage
D Jacket	FEP (Fluorinated Ethylene Propylene)	4.30 mm (0.169 in)	Red

**Electrical & Mechanical Data**

Characteristic Impedance	75Ω (±2)
Operating Frequency	dc - 18 GHz
Velocity of Propagation	71%
Signal Delay	4.7 ns/m
Capacitance	64 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	2000 V <sub>RMS</sub> (max.)
Weight	57 Kg/Km
Min. Bending Radius	8 mm (single)



**Attenuation & Power Handling**

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.2	19.5	5.96	910
0.5	27.5	8.38	610
1.0	44.0	13.41	400
2.0	63.0	19.21	290
5.0	99.0	30.18	195
10.0	148.0	45.12	120
18.0	210.0	64.02	85