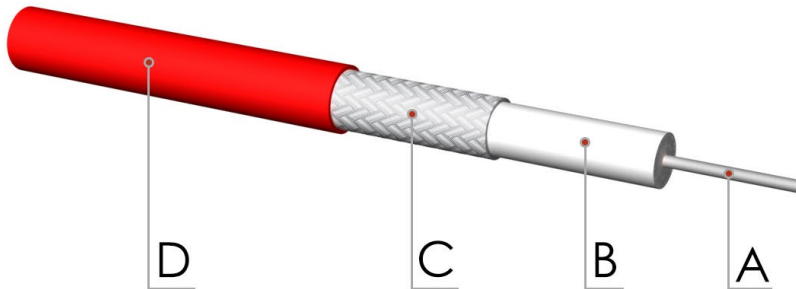


## DATASHEET



### FEATURES:

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

### Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	1.32 mm (0.052 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	3.00 mm (0.118 in)	-
C Outer Conductor	TC (Tin Plated Copper)	3.52 mm (0.139 in)	100% Coverage
D Jacket	FEP (Fluorinated Ethylene Propylene)	4.10 mm (0.161 in)	Red

### Electrical & Mechanical Data

Characteristic Impedance	35Ω (±2)
Operating Frequency	dc - 18 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	134 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1800 V <sub>RMS</sub> (max.)
Weight	51 Kg/Km
Min. Bending Radius	12 mm (single)



### Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.01	3.9	1.2	3500
0.03	7.2	2.2	1900
0.05	9.2	2.8	1690
0.10	13.4	4.1	1180
0.15	16.1	4.9	1010
0.5	30.2	9.2	575
1.0	42.0	12.8	420
2.0	67.9	20.7	260
5.0	105.0	32.0	185
10.0	154.8	47.2	107
18.0	217.5	66.3	75