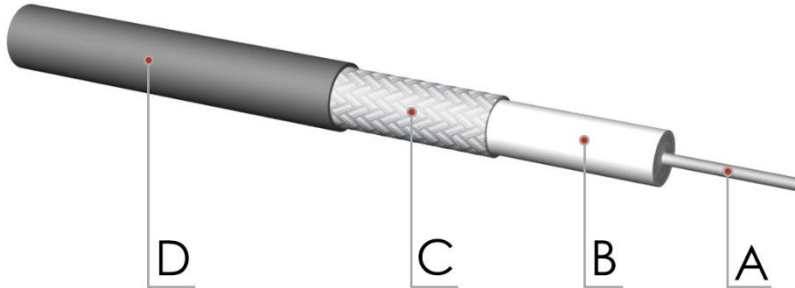


## DATASHEET



### FEATURES:

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

### Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	1.80 mm (0.071 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	2.96 mm (0.116 in)	-
C Outer Conductor	TC (Tin Plated Copper)	3.52 mm (0.139 in)	100% Coverage
D Jacket	FEP (Fluorinated Ethylene Propylene)	4.15 mm (0.163 in)	Grey

### Electrical & Mechanical Data

Characteristic Impedance	20Ω (±2)
Operating Frequency	dc - 18 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	220 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1800 V <sub>RMS</sub> (max.)
Weight	60.8 Kg/Km
Min. Bending Radius	14 mm (single)



### Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.05	14.6	4.45	1040
0.10	21.3	6.49	760
0.15	25.3	7.71	670
0.5	45.0	13.72	400
1.0	72.5	22.10	310
5.0	175.0	53.35	145
10.0	252.0	76.83	95