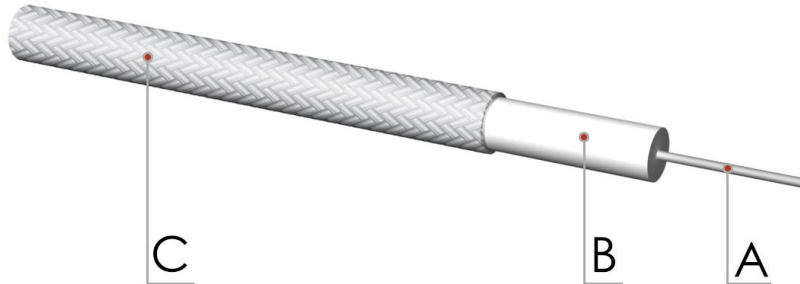


DATASHEET



FEATURES:

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

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	SPC (Silver Plated Copper)	0.92 mm (0.036 in)	Solid Core
B Dielectric	PTFE (Poly Tetra Flour Ethylene)	1.70 mm (0.067 in)	Teflon®
C Outer Conductor	TC (Tin Plated Copper)	2.15 mm (0.085 in)	100% Coverage

Electrical & Mechanical Data

Characteristic Impedance	25Ω (±2)
Operating Frequency	dc - 20 GHz
Cutoff Frequency	49 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	190 pF/m
Operating Temperature	-65 / +165 °C (-85 / 329 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1300 V _{RMS} (max.)
Weight	17 Kg/Km
Min. Bending Radius	9 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.05	17.0	5.2	830
0.1	24.0	7.3	600
0.15	28.6	8.7	515
0.5	52.0	15.9	310
1.0	84.0	25.6	210
3.0	150.0	45.7	140
5.0	202.0	61.6	95
10.0	300.0	91.5	75