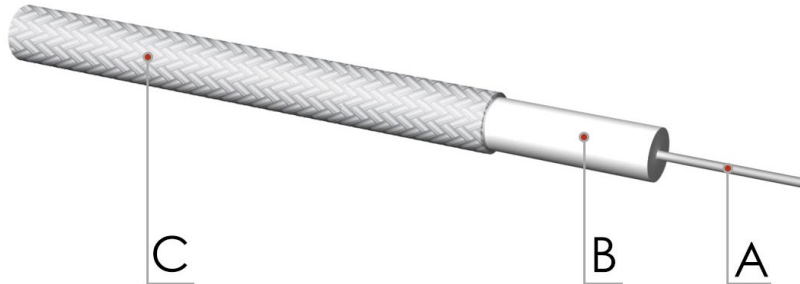


DATASHEET



FEATURES:

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

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)	2.96 mm (0.116 in)	-
C Outer Conductor	TC (Tin Plated Copper)	3.52 mm (0.138 in)	100% Coverage

Electrical & Mechanical Data

Characteristic Impedance	25Ω (±2)
Operating Frequency	dc - 18 GHz
Velocity of Propagation	70%
Signal Delay	4.7 ns/m
Capacitance	185 pF/m
Operating Temperature	-55 / +200 °C (-67 / 392 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1800 V _{RMS} (max.)
Weight	48 Kg/Km
Min. Bending Radius	12 mm (single)



Attenuation & Power Handling

Frequency (GHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
0.05	11.8	3.6	1460
0.10	17.1	5.2	1060
0.15	20.3	6.2	940
0.5	36.1	11.0	555
1.0	58.1	17.7	427
5.0	130.9	39.9	198
10.0	175.2	53.4	93
18.0	246.7	75.2	62