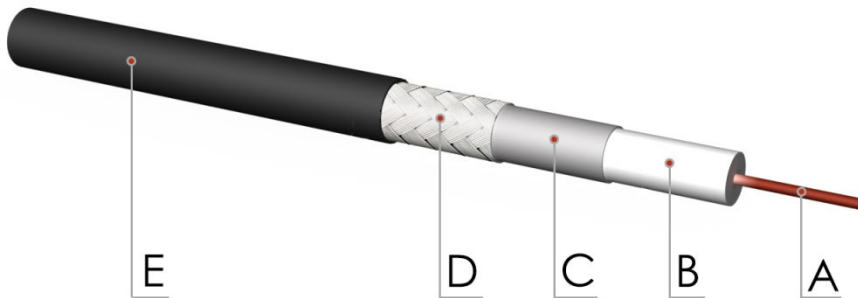


DATASHEET



FEATURES:

- Low attenuation even at microwave frequencies
- Flexible and lightweight
- High power handling

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(CCA) Copper Clad Aluminium	2.74 mm (0.108 in)	Solid Core
B Dielectric	Foam PE	7.24 mm (0.285 in)	Soft Polyethylene
C Outer Conductor	(Al) Aluminium PET	7.50 mm (0.295 in)	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	7.95 mm (0.313 in)	80% Coverage (Braid)
E Jacket	(PVC) Poly Vinyl Chloride	10.30 mm (0.406 in)	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 GHz (max. 10 GHz)
Cutoff Frequency	16 GHz
Velocity of Propagation	85%
Signal Delay	4 ns/m
Capacitance	79 pF/m
Operating Temperature	-40 / +80 °C (-40 / 176 °F)
Shield Effectiveness	> 90 dB
Working Voltage	2500 V _{RMS} (max.)
Weight	110 Kg/Km
Min. Bending Radius	56 mm (single), 100 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	1.85	0.56	5500
30	2.60	0.79	3300
50	3.10	0.95	2600
100	4.00	1.22	1800
150	4.85	1.48	1500
450	8.75	2.67	840
1000	13.60	4.15	575
1300	15.80	4.82	520
2400	22.00	6.71	345
5500	36.00	10.98	220
8000	45.00	13.72	180
10000	52.00	15.85	150