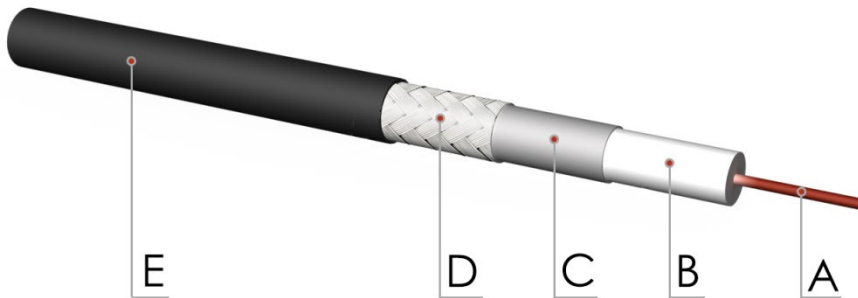


DATASHEET



FEATURES:

- Low attenuation even at microwave frequencies
- Flexible and lightweight

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(BC) Bare Copper	1.40 mm (0.055 in)	Solid Core
B Dielectric	Foam PE	3.81 mm (0.150 in)	Soft Polyethylene
C Outer Conductor	(Al) Aluminium	4.02 mm (0.158 in)	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	4.60 mm (0.181 in)	85% Coverage (Braid)
E Jacket	(PVC) Poly Vinyl Chloride	6.10 mm (0.240 in)	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 GHz
Cutoff Frequency	28 GHz
Velocity of Propagation	84%
Signal Delay	4 ns/m
Capacitance	79 pF/m
Operating Temperature	-40 / +80 °C (-40 / 176 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1500 V _{RMS} (max.)
Weight	54.5 Kg/Km
Min. Bending Radius	30 mm (single), 70 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	3.20	0.98	2550
30	4.80	1.46	1400
50	5.80	1.77	1100
100	7.50	2.29	770
150	9.20	2.80	610
450	16.5	5.03	350
1000	25.0	7.62	235
2400	41.5	12.65	150
5500	69.6	21.22	110