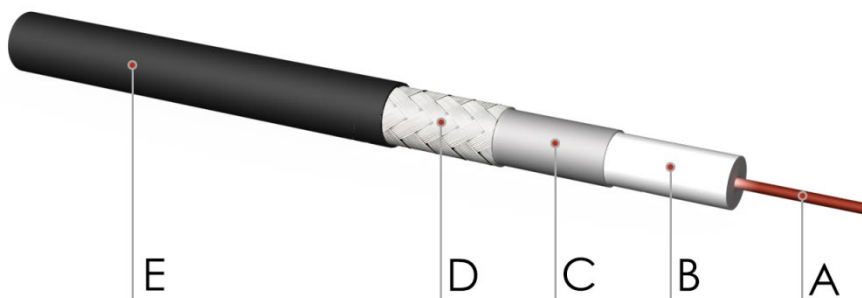


DATASHEET



FEATURES:

- Low loss
- Flexible and lightweight
- High power handling
- Flame retardant
- UV-resistant



Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(CCA) Copper Clad Aluminium	2.74 mm	Solid Core
B Dielectric	Foam-PE	7.20 mm	Gas injected Polyethylene
C Outer Conductor	Al/PET/Al + Surlyne	7.37 mm	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	7.97 mm	82% Coverage (Braid)
E Jacket	(LSZH) Low Smoke Zero Halogen	10.30 mm	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 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	2.5 kV _{RMS} (max.)
Sheath Insulation Voltage	8 kV _{RMS} (max.)
Weight	116.7 Kg/Km
Min. Bending Radius	50 mm (single), 100 mm (multiple)

Attenuation & Power Handling

Freq. (MHz)	Typical Attenuation		Avg. max. Power	Freq. (MHz)	Typical Attenuation		Avg. max. Power
	(dB/100m)	(dB/100ft)	(W)		(dB/100m)	(dB/100ft)	(W)
10	1.40	0.43	5800	1500	16.50	5.03	472
30	2.20	0.67	3348	1800	18.00	5.49	433
50	2.80	0.85	2592	2000	19.40	5.91	408
150	4.80	1.46	1450	2500	22.30	6.80	367
220	5.90	1.80	1235	3000	23.80	7.26	334
450	8.70	2.65	866	5200	33.30	10.15	251
900	12.50	3.81	614	5800	35.20	10.73	242
1000	13.20	4.02	579	6000	35.80	10.91	238