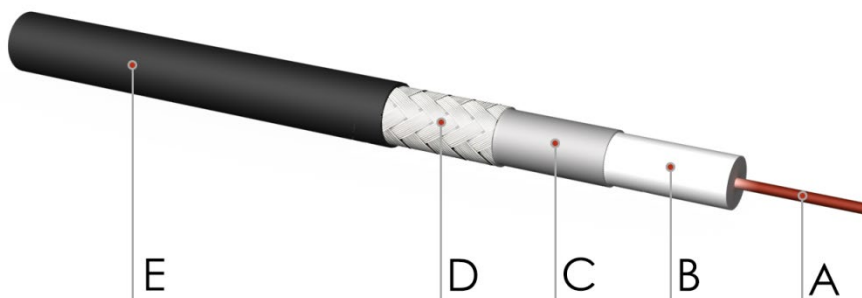


DATASHEET**FEATURES:**

- Low Loss
- Flexible and lightweight
- Wireless applications

**Construction**

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(BC) Bare Copper	1.40 mm	Solid Core
B Dielectric	Foam-PE	3.80 mm	Gas injected Polyethylene
C Outer Conductor	Al/PET/Al	3.90 mm	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	4.38 mm	89% Coverage (Braid)
E Jacket	(PVC) Poly Vinyl Chloride	6.10 mm	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±2)
Operating Frequency	dc - 6 GHz
Velocity of Propagation	84%
Signal Delay	4 ns/m
Capacitance	82 pF/m
Operating Temperature	-40 / +80 °C (-40 / 176 °F)
Shield Effectiveness	> 95 dB
Working Voltage	1.5 kV _{RMS} (max.)
Sheath Insulation Voltage	5 kV _{RMS} (max.)
Weight	52.5 Kg/Km
Min. Bending Radius	30 mm (single), 60 mm (multiple)

Attenuation & Power Handling

Freq. (MHz)	Typical Attenuation		Avg. max. Power (W)	Freq. (MHz)	Typical Attenuation		Avg. max. Power (W)
	(dB/100m)	(dB/100ft)			(dB/100m)	(dB/100ft)	
10	2.90	0.88	2500	1500	32.00	9.76	202
30	4.10	1.25	1444	1800	35.30	10.76	185
50	5.90	1.80	1119	2000	37.30	11.37	176
150	9.50	2.90	644	2500	41.30	12.59	160
220	11.70	3.57	531	3000	46.80	14.27	147
450	16.90	5.15	375	5200	64.90	19.79	110
900	24.10	7.35	265	5800	68.10	20.76	105
1000	25.90	7.90	252	6000	70.10	21.37	102