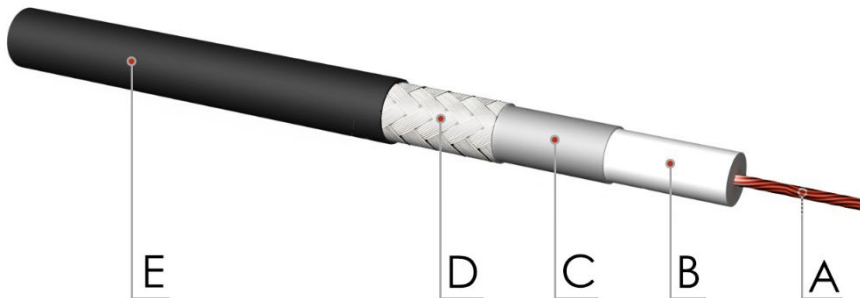


DATASHEET



FEATURES:

- Low attenuation even at microwave frequencies
- Lightweight
- For outdoor applications
- UltraFlexible version

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(BC) Bare Copper	1.40 mm (0.055 in)	7x0.5mm stranded
B Dielectric	Foam PE	3.80 mm (0.150 in)	Soft Polyethylene
C Outer Conductor	(Al) Aluminium	3.90 mm (0.154 in)	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	4.40 mm (0.173 in)	90% Coverage (Braid)
E Jacket	(TPE) Thermoplastic elastomer	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	50 Kg/Km
Min. Bending Radius	30 mm (single), 61 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	3.10	0.95	2550
30	5.50	1.68	1400
50	7.81	2.38	1100
100	9.90	3.02	770
150	11.99	3.66	610
450	22.00	6.71	350
1000	33.50	10.21	235
2400	53.24	16.23	150
5500	87.60	26.71	110