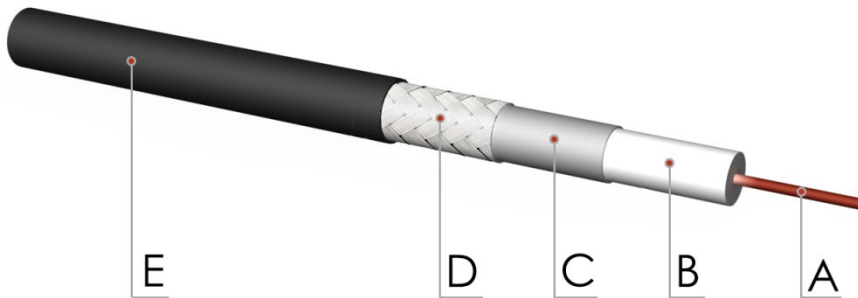


DATASHEET



FEATURES:

- Low attenuation even at microwave frequencies
- Flexible and lightweight
- Replacement for RG58 and RG142

Construction

ITEM	MATERIAL	DIAMETER	REMARK
A Center Conductor	(BC) Bare Copper	0.94 mm (0.037 in)	Solid Core
B Dielectric	(FPE) Foam Polyethylene	2.80 mm (0.110 in)	-
C Outer Conductor	(Al) Aluminium Tape	2.95 mm (0.116 in)	100% Coverage (Foil)
D Outer Conductor	(TC) Tinned Copper	3.35 mm (0.132 in)	85% Coverage (Braid)
E Jacket	(PE) Polyethylene	5.00 mm (0.196 in)	Black

Electrical & Mechanical Data

Characteristic Impedance	50Ω (±3)
Operating Frequency	dc - 6 GHz
Cutoff Frequency	38 GHz
Velocity of Propagation	80%
Signal Delay	4.2 ns/m
Capacitance	80 pF/m
Operating Temperature	-40 / +85 °C (-40 / 185 °F)
Shield Effectiveness	> 90 dB
Working Voltage	1000 V _{RMS} (max.)
Weight	30 Kg/Km
Min. Bending Radius	13 mm (single), 51 mm (multiple)



Attenuation & Power Handling

Frequency (MHz)	Typical Attenuation		Average max Power (W)
	(dB/100m)	(dB/100ft)	
10	4.00	1.22	1400
30	6.50	1.98	890
50	8.40	2.56	680
100	12.7	3.87	400
150	14.6	4.45	350
450	25.6	7.80	200
1000	37.2	11.34	100
2400	62.2	18.96	70
5500	95.4	29.09	50