

X126 – B92512-005

50 Ohms Coaxial Cable

Construction

1.	Inner Conductor	:	SC 7 brains compacted	Ø = 1,30 mm (0,051 inches)
2.	Dielectric	:	Laminate EPTFE	Ø = 3,58 mm (0,141 inches)
3.	Shield	:	Sc Foil	Ø = 3,73 mm (0,147 inches)
4.	Braid	:	36AWG Braid	Ø = 4,26 mm (0,168 inches)
5.	Jacket*	:	Black Estane 58244	Ø = 5,54 mm (0,218 inches)

* : Estane 58244 Low Smoke, zero Halogen

Electrical Specifications

Impedance	:	50 Ohms
Frequency Use	:	DC to 31 GHz
Cut-off Frequency	:	31 GHz
Shielding Effectiveness	:	> -100dB up to 26,50GH
Capacitance	:	78,80pF/m
Velocity of propagation	:	83%
Time Delay	:	4,01 ns/m
Voltage Withstand	:	N.A

Mechanical / Environmental Specifications

Weight	:	59g/m
Static Bend Radius	:	12,70 mm (0,50 inches)
Dynamic Bend Radius	:	152,40 mm (6,00 inches)*
Operating Temperature Range	:	-65°C to +90°C (-85°F to +194°F)

* : Tested with a +/-90° radius bending around a 6" mandrel

Connectors

Compatible with SMA and 2.9 mm straight or right angle

Specifications

RoHS Compliant

MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
2000	0,43	N.A
4000	0,61	N.A
8000	0,88	N.A
18000	1,37	N.A
26000	1,68	N.A
31000	1,86	N.A

* : cable only, for ambient temperature (25°C), at sea level