

X118 – B92301-005

50 Ohms Coaxial Cable

Construction

1.	Inner Conductor	:	Multi-Brain Stranded 19x25	∅ = 2,30 mm (0,090 inches)
2.	Dielectric	:	Multi-ply laminate EPTFE	∅ = 6,20 mm (0,244 inches)
3.	Braid	:	CuAg Plated Foil	
4.	Ribbon	:	38 AWG CuAg plated 95% Coverage	
5.	Jacket	:	FEP	∅ = 7,87 mm (0,310 inches)

Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 18 GHz
Cut-off Frequency	:	19.5 GHz
Shielding Effectiveness	:	> -100dB up to 18GHz
Capacitance	:	79 pF/m
Velocity of propagation	:	83 %
Time Delay	:	4,01ns/m
Voltage Withstand	:	N.A

Mechanical / Environmental Specifications

Weight	:	113 g/m
Static Bend Radius	:	45 mm (1.76 inches)
Dynamic Bend Radius	:	100 mm (3.9 inches)
Operating Temperature Range	:	-65°C to +200°C (-85°F to +392°F)

Connectors

Compatible with SMA - TNC – N and SC interfaces

Specifications

RoHS Compliant

MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
2000	0,37	N.A
4000	0,53	N.A
8000	0,73	N.A
12000	0,89	N.A
18000	1,05	N.A

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