

X80 – A91011-013

50 ohms Coaxial Cable

Construction

1.	Inner Conductor	:	Solid	Ø = 0,94 mm (0,037 inches)
2.	Dielectric	:	PTFE	Ø = 2,95 mm (0,116 inches)
3.	Braid 1	:	CuAg Ribbon	
4.	Screen	:	Steeled Ribbon	Ø = 3,91 mm (0,154 inches)
5.	Braid 2	:	13/100 CuAg wire	
6.	Jacket	:	FEP	Ø = 4,95 mm (0,195 inches)

Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 18GHz
Cut-off Frequency	:	N.A
Shielding Effectiveness	:	> 95dB
Capacitance	:	96.5 pF/m
Velocity of propagation	:	69.5 %
Time Delay	:	4.79 ns/m
Voltage Withstand	:	N.A

Mechanical / Environmental Specifications

Weight	:	64 g/m
Static Bend Radius	:	25,40 mm (1,00 inches)
Dynamic Bend Radius	:	N.A
Operating Temperature Range	:	-55°C to +200°C (-67°F to +392°F)

Connectors

Compatible with SMA – BNC – TNC – N – 3.5mm and 7mm interfaces

Spécifications

RoHS Compliant

MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
2000	0,53	352
4000	0,80	250
8000	1,23	160
12000	1,60	114
18000	2,10	85

*: cable only, at ambient temperature (+40°C), VSWR = 1:1 and sea level