

X45 – A94045-069

50 ohms Coaxial Cable

TECHNICAL DATASHEET RECORD LIST		
Issue	Date	Reasons for revision
-	25/06/2018	Original Issue
01	25/10/2018	Correcting shielding effectiveness value Add APC 3.5mm interfaces compatible
02	20/03/2020	Logo Modification

Construction

1.	Inner Conductor	:	CuAg steel wire	∅ = 0,51 mm (0,020 inches)
2.	Dielectric	:	PTFE	∅ = 1,68 mm (0,066 inches)
3.	Outer Conductor	:	Seamless Copper Tube Tin Plated	∅ = 2,18 mm (0,086 inches)

Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 18 GHz with SMA and N interfaces DC to 40GHz with K and APC2.4/3.5 interfaces
Cut-off Frequency	:	40 GHz
Shielding effectiveness	:	100dB min up to 32GHz
Capacitance	:	105pf/m
Velocity of propagation	:	69.5 %
Time Delay	:	4,80 ns/m
Voltage Withstand	:	1500 Vrms

Mechanical / Environmental Specifications

Weight	:	21,30 g/m
Static Bend Radius	:	3,17 mm (0,125 inches)
Dynamic Bend Radius	:	N.A
Operating Temperature Range	:	-55°C to +125°C (-67°F to + 257°F)

Connectors

Compatible with SMA – SSMA – N – 2.9mm – 3.5mm and 2.4mm interfaces

Spécifications

- RoHS Compliant
 MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
1000	0,64	133
5000	1,51	57
10000	2,22	39
18000	3,10	28
40000	4,97	17
40000	5,54	N.A

* : cable only, at ambient temperature and sea level