

## X86 - A92316-054 50 Ohms Coaxial Cable

### Construction

1.	Inner Conductor	:	Solid SPCCS*	Ø = 0,51 mm (0,020 inches)
2.	Dielectric	:	PTFE	Ø = 1,63 mm (0,064 inches)
3.	Inner Shield	:	Flat SPC strip	Ø = 1,80 mm (0,071 inches)
4.	Outer Shield	:	Round SPC	Ø = 2,18mm (0,086 inches)
5.	Jacket	:	Blue Extruded FEP	Ø = 2,64 mm (0,104 inches)

\* : SPCCS = Silver Plated Copper Clad Steel

### Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 40 GHz
Cut-off Frequency	:	63 GHz
Shielding Effectiveness	:	> -110dB
Capacitance	:	96,40 pF/m
Velocity of propagation	:	70 %
Time Delay	:	4,76 ns/m
Voltage Withstand	:	N.A
Phase stability vs Flexure	:	2° max at 10 GHz 6° max at 18 GHz 8° max at 30 GHz 10° max at 40 GHz

### Mechanical / Environmental Specifications

Weight	:	19,7 g/m
Static Bend Radius	:	6,35 mm (0,25 inches)
Dynamic Bend Radius	:	N.A
Operating Temperature Range	:	-55°C to +200°C (-67°F to +392°F)

### Connectors

Compatible with SMA - TNC and interfaces

### Specifications

RoHS Compliant

MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)
1000	0,76	160
5000	1,71	57
10000	2,63	44
18000	3,61	33
30000	4,79	26
40000	5,68	22