

X82 - A92398

50 ohms Coaxial Cable

Construction

1.	Inner Conductor	:	Solid	Ø = 1.02 mm (0.04 inches)
2.	Dielectric	:	PTFE	Ø = 3.07 mm (0.12 inches)
3.	Inner Shield	:	CuAg	Ø = 3.31 mm (0.13 inches)
4.	Interlayer	:	Aluminum	Ø = 3.45 mm (0.14 inches)
5.	Outer Shield	:	CuAg	Ø = 4.04 mm (0.16 inches)
6.	Jacket	:	FEP	Ø = 4.57 mm (0.18 inches)

Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 35 GHz
Cut-off Frequency	:	35 GHz
Shielding Effectiveness	:	> -100dB
Capacitance	:	87.7pF/m
Velocity of propagation	:	76 %
Time Delay	:	4.39 ns/m
Voltage Withstand	:	1000 VDC

Mechanical / Environmental Specifications

Weight	:	54 g/m
Static Bend Radius	:	19,10 mm (0,75 inches)
Dynamic Bend Radius	:	N.A
Operating Temperature Range	:	-55°C to +200°C (-67°F to +392°F)

Connectors

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

Spécifications

- RoHS Compliant Flame Retardant in accordance with IEC 60332 Part 1-2 *
- MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W) ⁽¹⁾
1000	0,33	569
5000	0,76	244
12000	1,20	151
18000	1,49	120
28000	1,89	92
35000	2,13	81

(1) : * : Power value indicated for Ambient Temperature +40°C, VSWR 1:1 at sea level

* : Report to document "1276 IEC60332-1-2 Rev 1"