

X74 – B92356-005

50 Ohms Coaxial Cable with internal protection

Construction

1.	Inner Conductor	:	Silver plated OFHC Copper	Ø = 1,30 mm (0,051 inches)
2.	Dielectric	:	EPTFE	Ø = 3,60 mm (0,141 inches)
3.	Shield	:	Wrapped Silver Plated Copper foil	Ø = 3,70 mm (0,147 inches)
4.	Braid 1	:	36AWG Silver Plated Copper	Ø = 4,30 mm (0,168 inches)
5.	Inner Jacket	:	FEP	Ø = 4,80 mm (0,188 inches)
6.	Protection	:	24AWG STEEL WIRE	Ø = 5,80 mm (0,230 inches)
7.	Jacket	:	FEP	Ø = 6,60 mm (0,259 inches)

Electrical Specifications

Impedance	:	50 Ohms
Capacitance	:	79 pF/m
Velocity of propagation	:	84%
Time Delay	:	3,96 ns/m
Frequency Use	:	DC to 34 GHz
Cutoff Frequency	:	48 GHz
Voltage Withstand	:	1500 Veff
Shielding Effectiveness	:	>100dB to 18Ghz, >90dB up to 34 GHz

Mechanical / Environmental Specifications

Weight	:	83 g/m
Static Bend Radius	:	20 mm (0.79 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 3.5mm and 2.9 mm straight

Specifications

RoHS Compliant

MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
2000	0,40	600
4000	0,60	400
8000	0,85	250
18000	1,15	180
26000	1,45	150
34000	1,60	100

* : cable only for Ambient temperature (+20°C) and Sea level