



# ANT400 50Ω COAXIAL CABLE

## Technical Specifications

### Cable Construction

Inner Conductor:	Copper Clad Copper
Stranding:	1/2.74mm
Dielectric:	Foamed Polyethylene (FPE)
Diameter:	7.24mm
Screen 1:	Bonded Aluminium/Polyester/Aluminium Tape
Coverage:	100%
Screen 2:	Tinned Copper Wire Braid
Coverage:	>86%
Jacket:	Polyethylene, UV Resistant
Overall Diameter:	10.3mm
Outer Sheath Colour:	Black

### Electrical Characteristics

Impedance:	50 Ω (± 2)
Velocity of Propagation:	85%
Capacitance (pF/m):	24 pF/ft (± 2)
Voltage Withstand:	2.5 kV
Jacket Spark:	8.0 kV (rms)
Conductor Resistance:	≤ 4.6 Ω/km
Outer Conductor Resistance:	≤ 5.4 Ω/km
Return Loss:	≥15 dB
Peak Power:	16.0kW

### Physical Characteristics

Overall Diameter:	10.3mm
Min. Bend Radius:	24.5mm
Temperature Rating:	-30°C to +85°C
Weight:	100 Kg/km

### Standards

RoHS2 Compliant	Yes
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### Attenuation

Frequency (MHz)	Attenuation	
	dB/100ft	dB/100m
30	0.8	2.5
50	1.0	3.2
150	1.5	4.9
220	1.9	6.2
450	2.7	8.8
900	3.9	12.8
1500	5.1	16.7
1800	5.6	18.3
2000	5.9	19.3
2500	6.7	21.9
5800	11.2	36.5