



ANT300 50Ω COAXIAL CABLE

Technical Specifications

Cable Construction

Inner Conductor:	Solid Bare Copper
Stranding:	1/1.78mm
Dielectric:	Foamed Polyethylene (FPE)
Diameter:	4.83mm
Screen 1:	Bonded Aluminium/Polyester/Aluminium Tape
Coverage:	100%
Screen 2:	Tinned Copper Wire Braid
Coverage:	>87%
Jacket:	Polyethylene, UV Resistant
Overall Diameter:	7.6mm
Outer Sheath Colour:	Black

Electrical Characteristics

Impedance:	50 Ω (± 2)
Velocity of Propagation:	83%
Capacitance (pF/m):	24.5 pF/ft (± 2)
Voltage Withstand:	2.5 kV
Jacket Spark:	5.0 kV (rms)
Conductor Resistance:	≤ 7.0 Ω/km
Outer Conductor Resistance:	≤ 7.7 Ω/km
Return Loss:	≥ 15 dB
Peak Power:	10.0kW

TESTED TO 6GHZ

Physical Characteristics

Overall Diameter:	7.6mm
Min. Bend Radius:	22.2mm
Temperature Rating:	-30°C to +85°C
Weight:	80 Kg/km

Standards

RoHS2 Compliant Yes

Attenuation

Frequency (MHz)	Attenuation	
	dB/100ft	dB/100m
30	1.2	3.8
50	1.4	4.7
150	2.3	7.6
220	2.8	9.2
450	4.1	13.5
900	6.0	19.6
1500	7.8	25.7
1800	8.6	28.3
2000	9.1	30.0
2500	10.3	33.8
5800	16.6	54.3

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