



ANT600 50Ω COAXIAL CABLE

Technical Specifications

Cable Construction

Inner Conductor:	Copper Clad Copper
Stranding:	1/4.47mm
Dielectric:	Foamed Polyethylene (FPE)
Diameter:	11.56mm
Screen 1:	Bonded Aluminium/Polyester/Aluminium Tape
Coverage:	100%
Screen 2:	Tinned Copper Wire Braid
Coverage:	>90%
Jacket:	Polyethylene, UV Resistant
Overall Diameter:	15.0mm
Outer Sheath Colour:	Black

Electrical Characteristics

Impedance:	50 Ω (± 2)
Velocity of Propagation:	85%
Capacitance (pF/m):	23.2 pF/ft (± 2)
Voltage Withstand:	4.6 kV
Jacket Spark:	8.0 kV (rms)
Conductor Resistance:	≤ 1.7 Ω/km
Outer Conductor Resistance:	≤ 5.7 Ω/km
Return Loss:	≥15 dB
Peak Power:	40.0kW

Physical Characteristics

Overall Diameter:	15.0mm
Min. Bend Radius:	38.1mm
Temperature Rating:	-40°C to +85°C
Weight:	200 Kg/km

Standards

RoHS2 Compliant Yes

Attenuation

Frequency (MHz)	Attenuation	
	dB/100ft	dB/100m
30	0.5	1.6
50	0.6	2.0
150	1.0	3.2
220	1.2	3.8
450	1.7	5.6
900	2.5	8.2
1500	3.3	10.8
1800	3.7	12.0
2000	3.9	12.7
2500	4.4	14.5
5800	7.2	23.6