



ANT195 50Ω COAXIAL CABLE

Cable Construction

Conductor Material:	Solid Bare Copper
Stranding:	1/0.94 mm
Dielectric:	Foamed Polyethylene (FPE)
Diameter of Dielectric:	2.79 mm
Screen 1:	Bonded Aluminium Tape
Coverage (1):	100%
Screen 2:	Tinned Copper Wire Braid
Coverage (2):	>89%
Jacket:	UV Resistant Polyethylene
Jacket Colour:	Black

Electrical Characteristics

Impedance:	50 Ω
Capacitance:	24.3 pF/ft (79.7 pF/m)
Velocity of Propagation:	75%
Conductor Resistance:	≤ 24.9 Ω/km
Outer Conductor Resistance:	≤ 16.1 Ω/km
Voltage Withstand:	1.5 kV
Jacket Spark:	3.0 kV (rms)
Return Loss: (30-2800MHz)	≥ 15 dB
Peak Power:	2.5 kW

Physical Characteristics

Overall Diameter:	5.0 mm
Min. Bend Radius:	12.7 mm
Temperature Rating:	-30 °C to +85 °C
Weight:	30 kg/km

Attenuation

Frequency (MHz)	dB / 100ft	dB / 100m
30	2.1	6.8
50	2.6	8.6
150	4.3	14.2
220	5.2	17.0
450	7.5	24.7
900	10.9	35.6
1500	14.2	46.7
1800	15.7	51.5
2000	16.6	54.3
2500	19.5	63.8

Standards

RoHS2 Compliant:	Yes
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