

Part No: 390L40H75-E00
Description: ANT-400 75 Ohm Antennax Low Smoke Halogen Free (LSHF) Black Coaxial Cable



Construction

Conductor Material : Bare Copper
 Conductor Size : 1/1.65 mm
 Dielectric : Foam Polyethylene (FPE)
 Diameter of Dielectric : 7.24 mm
 1st Screen Material : Bonded Aluminium Foil
 2nd Screen Material : Tinned Copper Wire Braid (>86% Coverage)
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : 75 $\Omega \pm 2$
 Capacitance @ 1 kHz : 52.3 pF/m ± 5
 Velocity of Propagation : 85 %
 Conductor Resistance @ 20°C : $\leq 8.4 \Omega / \text{km}$
 Screen Resistance @ 20°C : $\leq 5.61 \Omega / \text{km}$
 Peak Power : 10.0 kW

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
30	0.64	2.3
50	0.82	2.9
150	1.5	4.8
220	1.8	5.8
450	2.6	8.5
900	3.7	12.3

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1500	4.9	16.3
1800	5.4	18.0
2000	5.7	18.5
2500	6.4	21.5
5800	10.3	33.8

Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
30-2500MHz	≥ 15

Physical Characteristics

Overall Diameter : 10.3 mm ($\pm 0.20\text{mm}$)
 Bending Radius : 5 x OD
 Temperature Rating : -40°C to +75°C
 Weight : 101 kg/km
 Flat Plate Crush : 0.71 kg/mm

Standards

Flame Retardant : BS EN 60332-1-2, BS EN 60332-3-24 Cat C
 Low Smoke Generation : BS EN 61034-2
 Halogen Gas Emission : BS EN 60754-1&2
 RoHS Compliant : Yes
 UV & Weather Resistant : ISO 4892-3
 CE Compliant : CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)