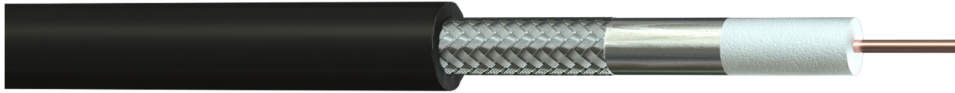


**Part No:** 390L40H-E00  
**Description:** ANT-400 50 Ohm Antennax Low Smoke Halogen Free (LSHF) Black Coaxial Cable



### Construction

Conductor Material : Copper Clad Aluminium  
Conductor Size : 1/2.74 mm  
Dielectric : Foam Polyethylene (FPE)  
Diameter of Dielectric : 7.24 mm  
1<sup>st</sup> Screen Material : Bonded Aluminium Foil  
2<sup>nd</sup> Screen Material : Tinned Copper Wire Braid (>86% Coverage)  
Outer Sheath Material : Low Smoke Halogen Free (LSHF)  
Outer Sheath Colour : Black



### Electrical Characteristics

Impedance : 50 Ω ± 2  
Capacitance @ 1 kHz : 80 pF/m ± 5  
Velocity of Propagation : 85 %  
Conductor Resistance @ 20°C : ≤ 4.7 Ω /km  
Screen Resistance @ 20°C : ≤ 5.61 Ω /km  
Peak Power : 16.0 kW

### Attenuation @ 20°C

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

### Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
30-3000MHz	≥ 15

### Physical Characteristics

Overall Diameter : 10.3 mm (±0.20mm)  
Bending Radius : 5 x OD  
Temperature Rating : -40°C to +75°C  
Weight : 100 kg/km

### 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  
RoHS3 Compliant : Yes  
UV & Weather Resistant : ISO 4892-3  
CE Compliant : CPR (305/2011)  
CPR Classification : Eca (EN50575:2014+A1:2016)