

**Part No:** 390L20H  
**Description:** ANT-200 50 Ohm Antennax Low Smoke Halogen Free (LSHF) Black Coaxial Cable



### Construction

Conductor Material : Solid Bare Copper  
 Conductor Size : 1/1.12 mm  
 Dielectric : Foam Polyethylene (FPE)  
 Diameter of Dielectric : 2.95 mm  
 1<sup>st</sup> Screen Material : Bonded Aluminium Foil  
 2<sup>nd</sup> Screen Material : Tinned Copper Wire Braid (>88% 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 : 83 %  
 Conductor Resistance @ 20°C : ≤ 17.6 Ω /km  
 Screen Resistance @ 20°C : ≤ 16.1 Ω /km  
 Peak Power : 2.5 kW

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
30	1.9	6.1	1500	12.5	40.9
50	2.3	7.5	1800	13.8	45.1
150	3.7	12.1	2000	14.6	47.8
220	4.5	14.6	2500	16.6	54.2
450	6.5	21.3	5800	26.4	86.5
900	9.5	31.1			

### Return Loss @ 20°C

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

### Physical Characteristics

Overall Diameter : 4.95 mm (±0.15mm)  
 Bending Radius : 5 x OD  
 Temperature Rating : -40°C to +75°C  
 Weight : 30 kg/km

### Standards

Flame Retardant : BS EN 60332-1-2  
 Low Smoke Generation : BS EN 61034-2  
 Halogen Gas Emission : BS EN 60754-1&2  
 RoHS3 Compliant : Yes