

**Part No:** 390L40H  
**Description:** ANT-400H 50 Ohm Antennax™ Feeder Cable Black LSHF



### Construction

Conductor Material : Copper Clad Aluminium  
Stranding : 1/2.74mm  
Dielectric : Foamed Polyethylene (FPE)  
Diameter of Dielectric : 7.24mm  
Screen Material (1) : Bonded Aluminium/Polyester/  
Aluminium Tape  
Coverage (1) : 100%  
Screen Material (2) : Tinned Copper Wire Braid  
Coverage (2) : 86%  
Outer Sheath Material : Low Smoke Halogen Free, UV Resistant  
Outer Sheath Colour : Black

### Electrical Characteristics

Impedance : 50 Ω  
Velocity of Propagation : 85%  
Withstand Voltage : 2.5 kV  
Jacket Spark : 8.0 kV (rms)  
Capacitance : 24 pF/ft (78.7 pF/m)  
Conductor Resistance : ≤ 4.6 Ω/km  
Outer Conductor Resistance : ≤ 5.4 Ω/km  
Return Loss (30-2800MHz) : ≥ 15 dB  
Peak Power : 16.0 kW

### Physical Characteristics

Overall Diameter : 10.3mm  
Min. Bend Radius : 24.5mm  
Temperature Rating : -35°C to +80°C  
Weight : 100 kg/km

### Standards

RoHS2 Compliant : Yes  
Low Smoke Generation : EN 61034-2  
Halogen Gas Emission : EN 60754-1&2  
Flame Retardant : EN 60332-1-2  
60332-3-24 Cat C

### Connectors

390L40-EZCB1	BNC Male Connector (Spring Finger) for Antennax ANT-400
390L40-EZCN1	N-Type Male Connector (Spring Finger) for Antennax ANT-400
390L40-EZCN2	N-Type Female Connector (Spring Finger) for Antennax ANT-400
390L40-EZCT1	TNC Male Connector (Spring Finger) for Antennax ANT-400
390L40-EZCT2	TNC Female Connector (Spring Finger) for Antennax ANT-400
390L40-EZCT6	TNC Reverse Polarity Male Connector (Spring Finger) for Antennax ANT-400
390L40-EZCT7	TNC Reverse Polarity Female Connector (Spring Finger) for Antennax ANT-400

### Tools

390L40-T1	Crimp Tool for Antennax ANT-400
390L40-EZS1	EZ Strip and Prep Tool for Antennax ANT-400

### Attenuation

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

These are actual test results from production cable. They should not be confused with the theoretical data shown in some companies catalogues.

Attenuation performance independently verified by Telegärtner UK Ltd

