Antennax ANT-600H 50 Ohm LSHF
Technical Datasheet

Part No: 390L60H
Description: ANT-600H 50 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	: Copper Clad Aluminium
Stranding	: 1/4.47mm
Dielectric	: Foamed Polyethylene (FPE)
Diameter of Dielectric	: 11.56mm
Screen Material (1)	: Bonded
Aluminium/Polyester/Aluminium Tape	
Coverage (1)	: 100%
Screen Material (2)	: Tinned Copper Wire Braid
Coverage (2)	: > 90%
Outer Sheath Material	: Low Smoke Halogen Free, UV Resistant
Outer Sheath Colour	: Black

Electrical Characteristics

Impedance	: 50 Ω
Velocity of Propagation	: 85%
Capacitance	: 23.2 pF/ft (76.1 pF/m)
Voltage Withstand	: 4.6 kV
Jacket Spark	: 8.0 kV (rms)
Conductor Resistance	: ≤ 1.7 Ω/km
Outer Conductor Resistance	: ≤ 5.7 Ω/km
Return Loss (30-2800MHz)	: ≥ 15 dB
Peak Power	: 40.0 kW

Attenuation

Frequency (MHz)	Attenuation dB/100ft	Attenuation dB/100m
30	0.5	1.6
50	0.6	2.0
150	1.0	3.2
220	1.2	3.8
450	1.7	5.6
900	2.5	8.2
1500	3.3	10.8
1800	3.7	12.0
2000	3.9	12.7
2500	4.4	14.5
5800	7.2	23.6

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

Physical Characteristics

Overall Diameter	: 15.0 mm
Min. Bend Radius	: 38.1 mm
Temperature Rating	: -35°C to +80°C
Weight	: 200 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

390L60-EZCN1	N-type Male Connector (Spring Finger) for Antennax ANT-600
390L60-EZCN2	N-Type Female Connector (Spring Finger) for Antennax ANT-600
390L60-CN4	N-Type Male Clamp Connector for Antennax ANT-600
390L60-CN5	N-Type Female Clamp Connector for Antennax ANT-600
390L60-CT6	TNC Reverse Polarity Male Clamp Connector for Antennax ANT-600
390L60-CT7	TNC Reverse Polarity Female Clamp Connector for Antennax ANT-600

Tools

390L60-T1	Crimp Tool for Antennax ANT-600
390L60-EZS1	EZ Strip and Prep Tool for Antennax ANT-600 (EZ connectors only)

ISO 9001:2015 Certificate Number: DAS94272226/0/Q