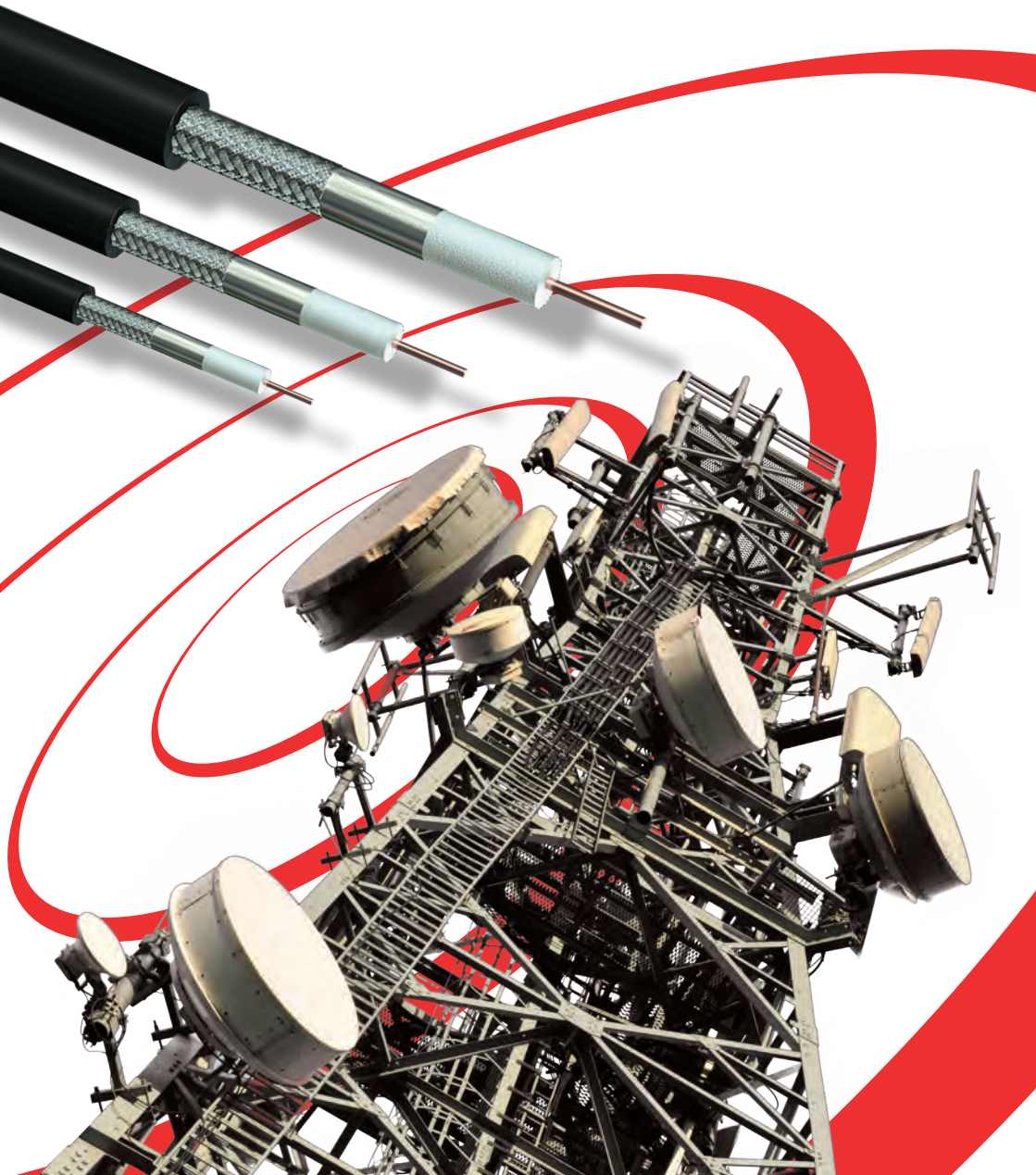
Ultra Low-Loss Coaxial Cables

Designed for LMR, VSAT and Communication



Why Antennax™ should be your cable of choice

The cable that won't let you down

Antennax™ cables are sweep tested to 5.8 GHz to ensure outstanding performance across the operating spectrum, providing a high quality alternative to Times Microwave Systems LMR® and the Andrew Cinta® range.

Next working day despatch worldwide

Antennax™ cables provide ultra-low loss performance from transceiver to aerial or dish. Developed for Land Mobile Radio (LMR), microwave, satellite, VSAT and communications, these cables are manufactured to ensure optimum levels of performance. 50Ω and 75Ω versions are stocked on 1km drums and can be cut to your requirement for immediate worldwide despatch.

Manufactured to internationally recognised standards

The Low Smoke Halogen Free (LSHF) versions conform to European fire safety standards and are flame retardant making them the ideal choice for use on rigs, ships, in tunnels or public buildings where fire safety is a concern. The UV stabilised sheath allows for cables to be run outside or inside avoiding the need for cable joints that increase signal loss and add costs.

For the perfect installation, a wide range of connectivity options are available including N-Type, TNC, BNC, and F-Type, SMA, Right Angle and Reverse Polarity connectors and termination tools.

Call, email or contact us now to find out how Antennax™ can benefit you.

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Antennax™ ANT-195 50 Ohm PE

Part No: 390L19
Description: ANT-195 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Solid Bare Copper
Stranding	1/0.94 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.79 mm
Screen Material (1)	Bonded Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 89%
Outer Sheath Material	Polyethylene – UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Capacitance	24.3 pF/ft (79.7 pF/m)
Velocity of Propagation	75%
Conductor Resistance	≤ 24.9 Ω/km
Outer Conductor Resistance	≤ 16.1 Ω/km
Voltage Withstand	1.5 kV
Jacket Spark	3.0 kV (rms)
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	2.5 kW

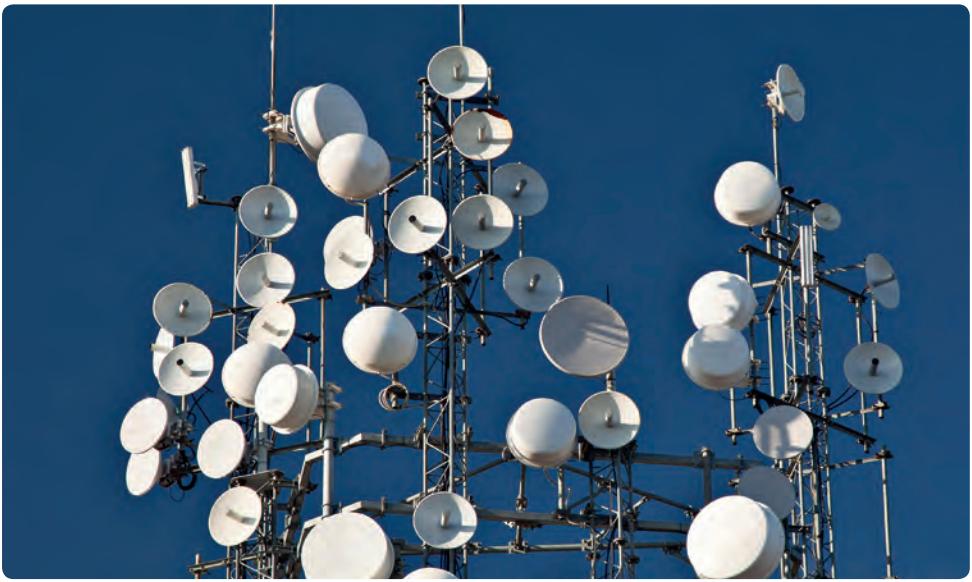
Physical Characteristics

Overall Diameter	5.0 mm
Min. Bend Radius	12.7 mm
Temperature Rating	-30°C to +85°C
Weight	30 kg/km

Standards

RoHS2 Compliant	Yes

ANT-195



Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	2.1	6.8
50	2.6	8.6
150	4.3	14.2
220	5.2	17.0
450	7.5	24.7
900	10.9	35.6
1500	14.2	46.7
1800	15.7	51.5
2000	16.6	54.3
2500	19.5	63.8

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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-195	LMR-195	CNT-195

Complete range of connectivity available

BNC Male

Antennax™ ANT-195H 50 Ohm LSHF

Part No: 390L19H
Description: ANT-195H 50 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Solid Bare Copper
Stranding	1/0.94 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.79 mm
Screen Material (1)	Bonded Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 89%
Outer Sheath Material	Low Smoke Halogen Free, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Capacitance	24.3 pF/ft (79.7 pF/m)
Velocity of Propagation	75%
Conductor Resistance	≤ 24.9 Ω/km
Outer Conductor Resistance	≤ 16.1 Ω/km
Voltage Withstand	1.5 kV
Jacket Spark	3.0 kV (rms)
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	2.5 kW

Physical Characteristics

Overall Diameter	5.0 mm
Min. Bend Radius	12.7 mm
Temperature Rating	-35°C to +80°C
Weight	30 kg/km

Standards

RoHS2 Compliant	Yes
Low Smoke Generation	IEC 61034-2
Halogen Gas Emission	IEC 60754-1&2
Flame Retardant	IEC 60332-1-2

ANT-195H

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	2.1	6.8
50	2.6	8.6
150	4.3	14.2
220	5.2	17.0
450	7.5	24.7
900	10.9	35.6
1500	14.2	46.7
1800	15.7	51.5
2000	16.6	54.3
2500	19.5	63.8

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-195H	LMR-195-FR	CNT-195-FR

Complete range of connectivity available

N-Type Female

Antennax™ ANT-200 50 Ohm PE

Part No: 390L20
Description: ANT-200 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.12 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.95 mm
Screen Material (1)	Bonded Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 88%
Outer Sheath Material	Polyethylene, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Capacitance	24.5 pF/ft (80.4 pF/m)
Withstand Voltage	1.5 kV
Jacket Spark	3.0 kV (rms)
Conductor Resistance	≤ 17.6 Ω/km
Outer Conductor Resistance	≤ 16.1 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	2.5 kW

Physical Characteristics

Overall Diameter	5.0 mm
Min. Bend Radius	12.7 mm
Temperature Rating	-30°C to +85°C
Weight	30 kg/km

Standards

RoHS2 Compliant	Yes

ANT-200

Attenuation

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

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-200	LMR-200	Not available

Complete range of connectivity available

N-Type Male

Antennax™ ANT-200H 50 Ohm LSHF

Part No: 390L20H
Description: ANT-200H 50 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.12 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.95 mm
Screen Material (1)	Bonded Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 88%
Outer Sheath Material	Low Smoke Halogen Free, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Capacitance	24.5 pF/ft (80.4 pF/m)
Withstand Voltage	1.5 kV
Jacket Spark	3.0 kV (rms)
Conductor Resistance	≤ 17.6 Ω/km
Outer Conductor Resistance	≤ 16.1 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	2.5 kW

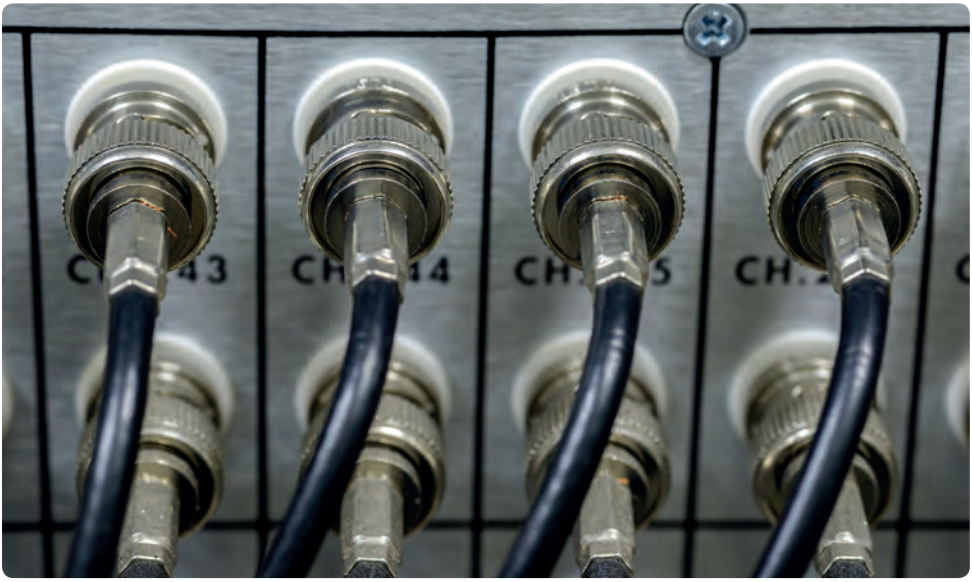
Physical Characteristics

Overall Diameter	5.0 mm
Min. Bend Radius	12.7 mm
Temperature Rating	-35°C to +80°C
Weight	30 kg/km

Standards

RoHS2 Compliant	Yes
Low Smoke Generation	IEC 61034-2
Halogen Gas Emission	IEC 60754-1&2
Flame Retardant	IEC 60332-1-2

ANT-200H



Attenuation

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

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-200H	LMR-200-FR	Not available

Complete range of connectivity available

TNC Female

Antennax™ ANT-240 50 Ohm PE

Part No: 390L24
Description: ANT-240 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.42 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	3.81 mm
Screen Material (1)	Bonded Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 90%
Outer Sheath Material	Polyethylene, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Capacitance	24.4 pF/ft (80.0 pF/m)
Voltage Withstand	1.5 kV
Jacket Spark	5.0 kV (rms)
Conductor Resistance	≤ 10.9 Ω/km
Outer Conductor Resistance	≤ 12.8 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	5.6 kW

Physical Characteristics

Overall Diameter	6.1 mm
Min. Bend Radius	19.1 mm
Temperature Rating	-30°C to +85°C
Weight	50 kg/km

Standards

RoHS2 Compliant	Yes

ANT-240

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	1.5	4.9
50	1.8	6.0
150	2.9	9.6
220	3.5	11.5
450	5.1	16.8
900	7.4	24.3
1500	9.7	31.8
1800	10.7	35.0
2000	11.3	37.0
2500	12.7	41.8
5800	20.0	65.5

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-240	LMR-240	CNT-240

Complete range of connectivity available

TNC Male

Antennax™ ANT-240 50 Ohm LSHF

Part No: 390L24H
Description: ANT-240H 50 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.42 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	3.81 mm
Screen Material (1)	Bonded 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	83%
Capacitance	24.4 pF/ft (80.0 pF/m)
Voltage Withstand	1.5 kV
Jacket Spark	5.0 kV (rms)
Conductor Resistance	≤ 10.9 Ω/km
Outer Conductor Resistance	≤ 12.8 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	5.6 kW

Physical Characteristics

Overall Diameter	6.1 mm
Min. Bend Radius	19.1 mm
Temperature Rating	-35°C to +80°C
Weight	50 kg/km

Standards

RoHS2 Compliant	Yes
Low Smoke Generation	IEC 61034-2
Halogen Gas Emission	IEC 60754-1&2
Flame Retardant	IEC 60332-1-2

ANT-240H

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	1.5	4.9
50	1.8	6.0
150	2.9	9.6
220	3.5	11.5
450	5.1	16.8
900	7.4	24.3
1500	9.7	31.8
1800	10.7	35.0
2000	11.3	37.0
2500	12.7	41.8
5800	20.0	65.5

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-240H	LMR-240-FR	CNT-240-FR

Complete range of connectivity available

TNC Reverse Polarity Female (Spring Finger)

Antennax™ ANT-300 50 Ohm PE

Part No: 390L30
Description: ANT-300 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.78 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	4.83 mm
Screen Material (1)	Bonded Aluminium/Polyester/Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 87%
Outer Sheath Material	Polyethylene, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Capacitance	24.5 pF/ft (80.4 pF/m)
Voltage Withstand	2.5 kV
Jacket Spark	5.0 kV (rms)
Conductor Resistance	≤ 7.0 Ω/km
Outer Conductor Resistance	≤ 7.7 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	10.0kW

Physical Characteristics

Overall Diameter	7.6 mm
Min. Bend Radius	22.2 mm
Temperature Rating	-30°C to +85°C
Weight	80 kg/km

Standards

RoHS2 Compliant	Yes

ANT-300

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	1.2	3.8
50	1.4	4.7
150	2.3	7.6
220	2.8	9.2
450	4.1	13.5
900	6.0	19.6
1500	7.8	25.7
1800	8.6	28.3
2000	9.1	30.0
2500	10.3	33.8
5800	16.6	54.3

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-300	LMR-300	CNT-300

Complete range of connectivity available

N-Type Female

Antennax™ ANT-300H 50 Ohm LSHF

Part No: 390L30H
Description: ANT-300H 50 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.78 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	4.83 mm
Screen Material (1)	Bonded Aluminium/Polyester/Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 87%
Outer Sheath Material	Low Smoke Halogen Free, UV Resistant
Outer Sheath Colour	Black

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Capacitance	24.5 pF/ft (80.4 pF/m)
Voltage Withstand	2.5kV
Jacket Spark	5.0kV (rms)
Conductor Resistance	≤ 7.0 Ω/km
Outer Conductor Resistance	≤ 7.7 Ω/km
Return Loss (30-2800MHz)	≥ 15 dB
Peak Power	10.0kW

Physical Characteristics

Overall Diameter	7.6 mm
Min. Bend Radius	22.2 mm
Temperature Rating	-35°C to +80°C
Weight	80 kg/km

Standards

RoHS2 Compliant	Yes
Low Smoke Generation	IEC 61034-2
Halogen Gas Emission	IEC 60754-1&2
Flame Retardant	IEC 60332-1-2

ANT-300H

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	1.2	3.8
50	1.4	4.7
150	2.3	7.6
220	2.8	9.2
450	4.1	13.5
900	6.0	19.6
1500	7.8	25.7
1800	8.6	28.3
2000	9.1	30.0
2500	10.3	33.8
5800	16.6	54.3

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Attenuation performance independently verified by Telegärtner UK Ltd

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-300H	LMR-300-FR	CNT-300-FR

Complete range of connectivity available

N-Type Male

Antennax™ ANT-400 50 Ohm PE

Part No: 390L40
Description: ANT-400 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Copper Clad Aluminium
Stranding	1/2.74 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	7.24 mm
Screen Material (1)	Bonded Aluminium/Polyester/Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	86%
Outer Sheath Material	Polyethylene, 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	10.3 mm
Min. Bend Radius	24.5 mm
Temperature Rating	-30°C to +85°C
Weight	100 kg/km

Standards

RoHS2 Compliant	Yes

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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-400	LMR-400	CNT-400

Complete range of connectivity available

TNC Reverse Polarity Male (Spring Finger)

Antennax™ ANT-400H 50 Ohm LSHF

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

Construction

Conductor Material	Copper Clad Aluminium
Stranding	1/2.74 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	7.24 mm
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	10.3 mm
Min. Bend Radius	24.5 mm
Temperature Rating	-35°C to +80°C
Weight	100 kg/km

Standards

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

ANT-400H

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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-400H	LMR-400-FR	CNT-400-FR

Complete range of connectivity available

TNC Reverse Polarity Female (Spring Finger)

Antennax™ ANT-400H 75 Ohm LSHF

Part No: 390L40H-75
Description: ANT-400H 75 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Solid Bare Copper
Stranding	1/1.65 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	7.24 mm
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	75 Ω
Velocity of Propagation	85%
Capacitance	15.9 pF/ft (52.2 pF/m)
Voltage Withstand	2.0 kV
Jacket Spark	8.0 kV (rms)
Conductor Resistance	≤ 8.2 Ω/km
Outer Conductor Resistance	≤ 5.5 Ω/km
Return Loss (30-1000MHz)	≥ 22 dB
(1001-2200MHz)	≥ 20 dB
(2201-2500MHz)	≥ 15 dB
Peak Power	10 kW

Physical Characteristics

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

Standards

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

ANT-400H-75

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	0.7	2.3
50	0.9	2.9
150	1.5	4.8
220	1.8	5.8
450	2.6	8.5
900	3.8	12.3
1500	5.0	16.3
1800	5.5	18.0
2000	5.6	18.5
2500	6.6	21.5

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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-400H-75	Not available	Not available

Complete range of connectivity available

N-Type Male

Antennax™ ANT-600 50 Ohm PE

Part No: 390L60
Description: ANT-600 50 Ohm Antennax™ Feeder Cable Black PE

Construction

Conductor Material	Copper Clad Aluminium
Stranding	1/4.47 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	11.56 mm
Screen Material (1)	Bonded Aluminium/Polyester/Aluminium Tape
Coverage (1)	100%
Screen Material (2)	Tinned Copper Wire Braid
Coverage (2)	> 90%
Outer Sheath Material	Polyethylene, 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

Physical Characteristics

Overall Diameter	15.0 mm
Min. Bend Radius	38.1 mm
Temperature Rating	-40°C to +85°C
Weight	200 kg/km

Standards

RoHS2 Compliant	Yes

ANT-600

Attenuation

Frequency (MHz)	Attenuation dB/100ft	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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-600	LMR-600	CNT-600

Complete range of connectivity available

TNC Reverse Polarity Male (Spring Finger)

Antennax™ ANT-600H 50 Ohm LSHF

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

Construction

Conductor Material	Copper Clad Aluminium
Stranding	1/4.47 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	11.56 mm
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

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	IEC 61034-2
Halogen Gas Emission	IEC 60754-1&2
Flame Retardant	IEC 60332-1-2, 60332-3-24 Cat C

ANT-600H

Attenuation

Frequency (MHz)	Attenuation dB/100ft	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

Telegärtner UK LIMITED

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-600H	LMR-600-FR	CNT-600-FR

Complete range of connectivity available

TNC Reverse Polarity Female (Spring Finger)

Antennax™ ANT-600H 75 Ohm LSHF

Part No: 390L60H-75
Description: ANT-600H 75 Ohm Antennax™ Feeder Cable Black LSHF

Construction

Conductor Material	Copper Clad Aluminium
Stranding	1/2.74 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	11.56 mm
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	75 Ω
Velocity of Propagation	87%
Capacitance	15.6 pF/ft (51.2 pF/m)
Voltage Withstand	4.0 kV
Jacket Spark	8.0 kV (rms)
Conductor Resistance	≤ 4.7 Ω/km
Outer Conductor Resistance	≤ 5.7 Ω/km
Return Loss (30-2500MHz)	≥ 15 dB
Peak Power	40.0 kW

Physical Characteristics

Overall Diameter	15.0 mm
Min. Bend Radius	38.1 mm
Temperature Rating	-35°C to +80°C
Weight	201 kg/km

Standards

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

ANT-600H-75

Attenuation

Frequency (MHz)	Attenuation dB/100ft	dB/100m
30	0.4	1.3
50	0.5	1.7
150	0.9	3
220	1.1	3.6
450	1.6	5.3
900	2.3	7.7
1500	0.4	1.2
1800	3.5	11.4
2000	3.7	12.1
2500	4.2	13.7

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

Cable Cross Reference Chart

Antennax™	Times Microwave	Andrew®
ANT-600H-75	Not available	Not available

Complete range of connectivity available

N-Type Male

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