

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



Construction

Conductor Material : Solid Bare Copper
Stranding : 1/1.78mm
Dielectric : Foamed Polyethylene (FPE)
Diameter of Dielectric : 4.83mm
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 : $\leq 7.0 \Omega/\text{km}$
Outer Conductor Resistance : $\leq 7.7 \Omega/\text{km}$
Return Loss (30-2800MHz) : $\geq 15 \text{ dB}$
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

Connectors

390L30-CN1 N-Type Male Crimp Connector for Antennax ANT-300
390L30-CN2 N-Type Female Crimp Connector for Antennax ANT-300

Tools

390L30-T1 Crimp Tool for Antennax 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

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

