



## 50 ft Hiboost 200 low-loss coaxial cable

### Overview

50 ft (15.2m) Hiboost 200 low-loss coaxial cable with N-Male connectors on both ends. It is compatible with all the 50 ohm amplifiers and used to transmit radio frequency (RF) signal. Its working frequency range: 0—6GHz.



### Key Features

- Low loss
- Light, flexible and weatherproof
- Low transmission delay
- Minimum attenuation



### Specification

Cable Description	
<b>Inner Conductor</b>	BC
Conduct Dia.	1.12+/-0.02mm
Min. Break Strength	453N
<b>Insulation</b>	Foam P.E
Insulation Dia.	2.95+/-0.15mm
Color	Neutral
Centricity	≥85%
Adhesion	10 to 100N@25mm
<b>Shielding</b>	AL/P-Foil(Bonded)
Foil overlap	≥120%
<b>Outer conductor</b>	TC Wire Braid
Coverage	90+/-3%
<b>Jacket</b>	FR-PVC
Outer Dia.	4.95 +/-0.15mm



### Mechanical Characteristics

<b>Minimum Bend Radius:</b>	
Installation	12.7mm
Repeated	50.8mm
<b>Max. Pulling Tension</b>	245
<b>Crush resistance of cable(load of 700N)</b>	<1%
<b>Rated temperature</b>	
Storage/operating temperature(°C)	-40 ~ +85°C
Outdoor installation	-40 ~ +85°C

### Electrical Characteristics

<b>Characteristics Impedance</b>	50±2 ohm
<b>Capacitance</b>	70pF/m
<b>Velocity ratio</b>	84%
<b>DCR:Inner Conductor</b>	<17.6 ohm/km
<b>DCR:Outer Conductor</b>	<16.1 ohm/km
<b>Jacket Sparker</b>	3000V RMS
<b>Dielectric Strength</b>	1000V DC
<b>Insulation resistance</b>	>10,000MΩ · km
<b>Peak Power</b>	2.5 KW
<b>Shielding Effectiveness</b>	>90 dB
<b>VSWR</b> 30-2500MHz	<1.20
<b>Attenuation Constant (at 20°C)</b>	dB/100m
30MHz	5.8
50MHz	7.5
150MHz	13.10
220MHz	15.90
450MHz	22.80
900MHz	32.60
1500MHz	42.40
1800MHz	46.60
2000MHz	49.30
2500MHz	55.40
5800MHz	86.50

Maximum attenuation is 10% higher.