



15.2m (50ft) HiBoost 200 low-loss coaxial cable

Overview

15.2m (50ft) 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—6000MHz.



Key Features

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



Specification

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



Mechanical Characteristics

Minimum Bend Radius:

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

Electrical Characteristics

Characteristics Impedance	50±2 ohm
Capacitance	70pF/m
Velocity ratio	84%
DCR:Inner Conductor	<17.6 ohm/km
DCR:Outer Conductor	<16.1 ohm/km
Jacket Sparker	3000V RMS
Dielectric Strength	1000V DC
Insulation resistance	>10,000MΩ · km
Peak Power	2.5 KW
Shielding Effectiveness	>90 dB
VSWR 1-3000MHz	<1.20
Attenuation Constant (at 20°C)	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.