

1m (3.3ft) HiBoost 200 low-loss coaxial cable

Overview

1m (3.3 ft) 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.