



**HiBOOST**

# CABLE COAXIAL HIBOOST 200 1M



## Descripción general

Cable coaxial de baja pérdida Hiboost 200 de 3,3 pies (1 m) con conectores N-Macho en ambos extremos. Es compatible con todos los amplificadores de 50 ohmios y se utiliza para transmitir señales de radiofrecuencia (RF). Su rango de frecuencia de trabajo: 0 - 6GHz.

## Características técnicas

- Baja pérdida
- Ligero, flexible e impermeable
- Retardo de transmisión bajo
- Atenuación mínima

| 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

#### Minimum Bend Radius:

|              |        |
|--------------|--------|
| Installation | 12.7mm |
|--------------|--------|

|          |        |
|----------|--------|
| Repeated | 50.8mm |
|----------|--------|

|                             |     |
|-----------------------------|-----|
| <b>Max. Pulling Tension</b> | 245 |
|-----------------------------|-----|

|  |     |
|--|-----|
| <b>Crush resistance of cable(load of 700N)</b> | <1% |
|--|-----|

#### Rated temperature

|                                   |             |
|-----------------------------------|-------------|
| 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.