

# CAT-5 BALUNS



## NILES **CAT-5** BALUNS: CONNECTIVITY SOLUTIONS WITH MIX-AND-MATCH VERSATILITY

Niles CAT-5 Baluns simplify installations, provide additional flexibility, and reduce costs wherever long cable runs are required. Niles CAT-5 Baluns also make it possible to expand systems in homes and buildings already wired with CAT-5 cable. Used in pairs, every Niles Balun was designed with a specific application in mind: from sending analog audio to an upstairs bedroom, to sending HDMI signals

across the house to the family room. Niles makes two versions of each balun: a clean, low profile wall-mount and a compact chassis style. They can be mixed and matched to create a custom solution for any installation project. And since they're made by Niles, you know they're rugged and reliable. In fact, most come with a limited ten-year warranty to ensure years of trouble-free performance.

**HDMI CAT-5 Baluns**
**CAT-5 HDMI Transmit Balun**
**C5-HDMI T**
Stock Number

FG01565


**Features**

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Transmission Distance at each resolution\*:
  - 480i, 480p, 720p and 1080i—up to 200 feet (61 m)
  - 1080p—up to 100 feet (30.5 m)
- 5V power supply included

**Warranty: Two-year limited**
**Shipping weight: 1 lb.**

\*Actual performance may vary based on multiple factors unique to the installation

**CAT-5 Wall Mount HDMI Transmit Balun**
**C5-HDMI TWM**
Stock Number

FG01566


**Features**

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP
- 1-Gang Decora® Style
- Decora® wallplate included

**Specifications**

- Fits into a single gang J-Box or P-Ring
- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D
- Transmission Distance at each resolution\*:
  - 480i, 480p, 720p and 1080i—up to 200 feet (61 m)
  - 1080p—up to 100 feet (30.5 m)
- 5V power supply included

**Warranty: Two-year limited**
**Shipping weight: 1 lb.**

\*Actual performance may vary based on multiple factors unique to the installation

**CAT-5 HDMI Receive Balun**
**C5-HDMI R**
Stock Number

FG01564


**Features**

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Transmission Distance at each resolution\*:
  - 480i, 480p, 720p and 1080i—up to 200 feet (61 m)
  - 1080p—up to 100 feet (30.5 m)
- 5V power supply included with Transmit models

**Warranty: Two-year limited**
**Shipping weight: 1 lb.**

\*Actual performance may vary based on multiple factors unique to the installation

**CAT-5 Wall Mount HDMI Receive Balun**
**C5-HDMI RWM**
Stock Number

FG01567


**Features**

- Shielded CAT-5 connectors
- Compatible with HDMI resolutions from 480i to 1080p
- A Transmitter and Receiver Balun are required for a complete system
- Uses two runs of CAT-5 cable
- HDCP compliant
- HDMI version 1.3 compliant
- Compatible with CAT-5, CAT-5e & CAT-6 UTP and STP
- 1-Gang Decora® Style
- Decora® wall plate included

**Specifications**

- Fits into a single gang J-Box or P-Ring
- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D
- Transmission Distance at each resolution\*:
  - 480i, 480p, 720p and 1080i—up to 200 feet (61 m)
  - 1080p—up to 100 feet (30.5 m)
- 5V power supply included with Transmit models

**Warranty: Two-year limited**
**Shipping weight: 1 lb.**

\*Actual performance may vary based on multiple factors unique to the installation

**Audio - CAT-5 Baluns**
**CAT-5 Stereo Audio Balun**
**C5-A2**
Stock Number

FG01281


**Features**

- CAT-5 connector
- Gold-Plated Color Coded RCA Connectors
- Universal Mounting Holes
- Bandwidth: 20 Hz – 20 kHz
- Transmission Distance: 2,000' (CAT-3 UTP) 2,500' (CAT-5 UTP)

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 Stereo Audio Wall Mount Balun**
**C5-A2WM**
Stock Number

FG01367


**Features**

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included
- Fits into a single gang J-Box or P-Ring
- Bandwidth: 20 Hz – 20 kHz
- Transmission Distance: 2,000' (CAT-3 UTP) 2,500' (CAT-5 UTP)

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

**Warranty: Ten-year limited**
**Shipping weight: 1 lb**
**CAT-5 Digital Audio Balun**
**C5-DA**
Stock Number

FG01279


**Features**

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- Universal Mounting Holes
- Bandwidth: 25 MHz, – 1 dB
- Transmission Distance: 600' (180 m)

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 Digital Audio Wall Mount Balun**
**C5-DAWM**
Stock Number

FG01368


**Features**

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included
- Fits into a single gang J-Box or P-Ring
- Bandwidth: 25 MHz – 1 dB
- Transmission Distance: 600' (180 m)

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**

## Video - CAT-5 Baluns

### CAT-5 Video Balun

#### C5-V

Stock Number

FG01278



#### Features

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- Universal Mounting Holes

#### Specifications

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Bandwidth: Video: DC to 10 MHz

- Transmission Distance:  
Color: 1,500' (CAT-3 UTP)  
2,200' (CAT-5 UTP)
- B&W: 2,000' (CAT-3 UTP)  
2,500' (CAT-5 UTP)

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

### CAT-5 Video Wall Mount Balun

#### C5-VWM

Stock Number

FG01369



#### Features

- CAT-5 connector
- Gold-Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

#### Specifications

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

- Fits into a single gang J-Box or P-Ring

- Bandwidth: DC to 10 MHz
- Transmission Distance:  
Color: 1,500' (CAT-3 UTP)  
2,200' (CAT-5 UTP)
- B & W: 2,000' (CAT-3 UTP)  
2,500' (CAT-5 UTP)

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

### CAT-5 S-Video Balun

#### C5-SV

Stock Number

FG01273



#### Features

- CAT-5 connector
- Gold-Plated S-Video DIN Connector
- Universal Mounting Holes

#### Specifications

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

- Bandwidth:  
Y: DC to 6 MHz  
C: 1 MHz to 6 MHz
- Transmission Distance:  
500' (150 m) (CAT-5 UTP)

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

### CAT-5 S-Video Wall Mount Balun

#### C5-SVWM

Stock Number

FG01370



#### Features

- CAT-5 connector
- Gold-Plated S-Video DIN Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

#### Specifications

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

- Fits into a single gang J-Box or P-Ring

- Bandwidth:  
Y: DC to 6 MHz  
C: 1 MHz to 6 MHz
- Transmission Distance:  
500' (150 m) (CAT-5 UTP)

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

**Video - CAT-5 Baluns**
**CAT-5 VGA Balun**
**C5-VGA**
Stock Number

FG01274


**Features**

- Shielded CAT-5 connector
- **Requires shielded CAT-5 cable**
- DB-15HD Connector
- Universal Mounting Holes

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Bandwidth: 0 – 50 MHz, -3 dB at 165' (50 m)

- Transmission Distance: CAT-5 STP: 640 x 480 pixels, 50 Hz (15 MHz): 330' (100 m)  
800 x 600 pixels, 60 Hz (30 MHz): 330' (100 m)  
1024 x 768 pixels, 75 Hz (60 MHz): 250' (75 m)  
1280 x 1024 pixels, 75 Hz (100 MHz): 165' (50 m)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 VGA Wall Mount Balun**
**C5-VGAWM**
Stock Number

FG01371


**Features**

- Shielded CAT-5 connector
- **Requires shielded CAT-5 cable**
- DB-15HD Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D
- Fits into a single gang J-Box or P-Ring
- Bandwidth: 0 – 50 MHz, -3 dB at 165' (50 m)

- Transmission Distance: CAT-5 STP: 640 x 480 pixels, 50 Hz (15 MHz): 330' (100 m)  
800 x 600 pixels, 60 Hz (30 MHz): 330' (100 m)  
1024 x 768 pixels, 75 Hz (60 MHz): 250' (75 m)  
1280 x 1024 pixels, 75 Hz (100 MHz): 165' (50 m)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**Audio/Video - CAT-5 Baluns**
**CAT-5 S-Video & Stereo Audio Balun**
**C5-SVA2**
Stock Number

FG01275


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- Gold Plated S-Video DIN Connector
- Universal Mounting Holes

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

- Bandwidth: Y: DC to 6 MHz  
C: 1 MHz to 6 MHz
- Transmission Distance: S-Video: 500' (150 m) (CAT-5 UTP)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 S-Video and Stereo Audio Wall Mount Balun**
**C5-SVA2WM**
Stock Number

FG01373


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- S-Video DIN Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

- Fits into a single gang J-Box or P-Ring
- Bandwidth: Y: DC to 6 MHz  
C: 1 MHz to 6 MHz
- Transmission Distance: S-Video: 500' (150 m) (CAT-5 UTP)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**

**Audio/Video - CAT-5 Baluns**
**CAT-5 Video & Stereo  
Audio Balun**
**C5-VA2**
Stock Number

FG01280


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- Universal Mounting Holes

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D
- Bandwidth: Video: DC to 10 MHz, Audio: 20 Hz – 20 kHz

- Transmission Distance:  
Color: 1,500' (CAT-3 UTP)  
2,200' (CAT-5 UTP)  
B&W: 2,000' (CAT-3 UTP)  
2,500' (CAT-5 UTP)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 Video and Stereo  
Audio Wall Mount Balun**
**C5-VA2WM**
Stock Number

FG01372


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D
- Fits into a single gang J-Box or P-Ring

- Bandwidth:  
Video: DC to 10 MHz  
Audio: 20 Hz – 20 kHz
- Transmission Distance:  
Color: 1,500' (CAT-3 UTP)  
2,200' (CAT-5 UTP)  
B & W: 2,000' (CAT-3 UTP)  
2,500' (CAT-5 UTP)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 Component Video  
& Digital Audio Balun**
**C5-HDDA**
Stock Number

FG01276


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- Universal Mounting Holes
- Can be used with VS-6 Component Video Switcher

**Specifications**

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

- Bandwidth:  
Video: 0 – 60 MHz, – 3 dB  
Digital Audio: 25 MHz, – 1 dB
- Transmission Distance:  
Video, Color, CAT-5 UTP or STP:  
480i/p: 1,000' (300 m)  
720p: 500' (150 m)  
1080i: 500' (150 m)  
Digital Audio: 500' (150 m)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**
**CAT-5 Component Video &  
Digital Audio Wall Mount Balun**
**C5-HDDAWM**
Stock Number

FG01374


**Features**

- CAT-5 connector
- Gold Plated Color Coded RCA Connectors
- 1-Gang Decora Style
- Decora Wall Plate Included
- Can be used with VS-6 Component Video Switcher

**Specifications**

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

- Fits into a single gang J-Box or P-Ring
- Bandwidth:  
Video: 0 – 60 MHz, – 3 dB,  
Digital Audio: 25 MHz, – 1 dB
- Transmission Distance:  
Video, Color, CAT-5 UTP or STP:  
480i/p: 1,000' (300 m)  
720p: 500' (150 m),  
1080i: 500' (150 m),  
Digital Audio: 500' (150 m)

**Warranty: Ten-year limited**
**Shipping weight: 1 lb.**

## RF - CAT-5 Baluns

### CAT-5 Cable TV/Antenna Balun

C5-RF

Stock Number

FG01277



#### Features

- CAT-5 connector
- Nickel Plated RF Connector
- Universal Mounting Holes

#### Specifications

- Overall dimensions: 4.75" (120.7 mm) W x 2" (50.8 mm) H x .85" (21.6 mm) D

- Bandwidth: 5 MHz to 550 MHz
- Not rated for digital TV signals
- Transmission Distance: Up to 330' (100 m) using CAT-5 UTP

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

### CAT-5 Cable TV/Antenna Wall Mount Balun

C5-RFWM

Stock Number

FG01375



#### Features

- CAT-5 connector
- RF Connector
- 1-Gang Decora Style
- Decora Wall Plate Included

#### Specifications

- Overall dimensions including wallplate: 2.75" (71 mm) W x 4.5" (115 mm) x 2.1875" (55 mm) D

- Fits into a single gang J-Box or P-Ring
- Bandwidth: 5 MHz to 550 MHz
- Not rated for digital TV signals
- Transmission Distance: Up to 330' (100 m) using CAT-5 UTP

**Warranty: Ten-year limited**

**Shipping weight: 1 lb.**

## CAT-5 Baluns Connection Diagram (Audio/Video Receiver to TV)

