



# Control® 67P/T Full-Range Pendant Loudspeaker with RBI

## Professional Series

### Key Features:

- ▶ JBL's exclusive conical Radiation Boundary Integrator® (RBI) technology provides consistent and wide 120° coverage of the listening area.
- ▶ Coaxial design featuring 165 mm (6½ in) woofer and 25 mm (1 in) soft-dome tweeter.
- ▶ Hanging hardware with 4.5 m (15 foot) galvanized steel cable and easy to adjust clamp.
- ▶ Stylish design, available in black or white (-WH).
- ▶ UL listed (speaker and hanging cable system).
- ▶ 8 ohm and 70V/100V operation.

### Applications:

The Control 67P/T is a high output, full-range, two-way pendant-type loudspeaker that provides superb sound reproduction and very consistent, wide coverage for rooms with open architecture ceilings and other locations where a pendant form factor is desired.

JBL's patent-pending Radiation Boundary Integrator® (RBI) technology, adapted from the groundbreaking VERTeC™ Series of line array loudspeakers, delivers consistent coverage of the listening area. Combining an extra-large 280 mm (11 in) diameter waveguide with low-frequency projection apertures, the two coaxially-mounted drivers provide a seamless integration of coverage, resulting in extremely even pattern control and coverage where all listeners hear a consistent, high-fidelity sound quality. The wide 120° coverage pattern allows for the use of fewer speakers, reducing the cost of the installed system without sacrificing performance.

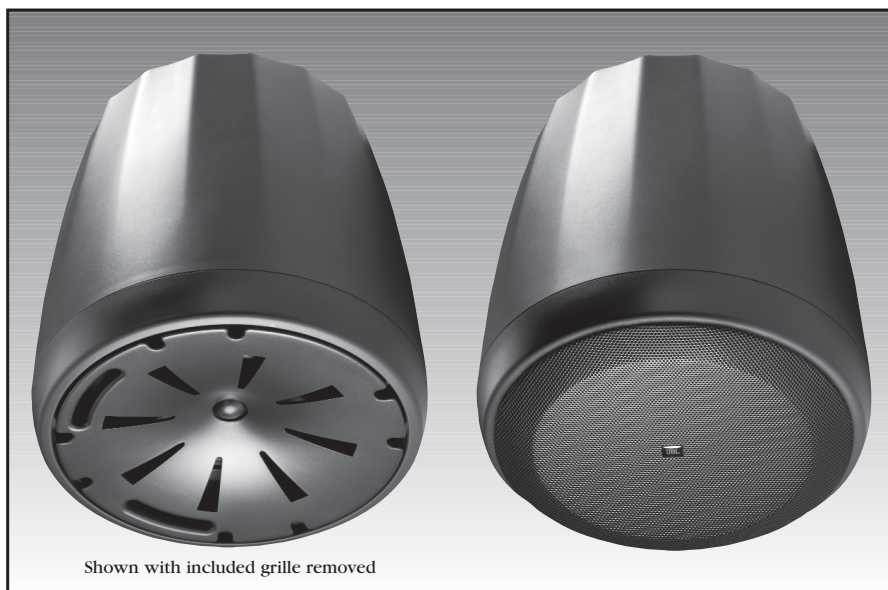
Excellent sound quality coupled with stylish design and easy installation makes the Control 67P/T ideal for a wide variety of applications including retail, restaurants, hotels, casinos, fitness centers, convention centers, exhibit spaces, conference rooms, atriums, museums, transit centers and other open-ceiling applications.

The Control 67P/T includes a single-point mounting system for easy and secure suspension in open-ceiling applications. Two complete hanging cable systems are included, providing both main and safety suspension cables. Include are extra-long 4.5 m (15 foot) high tensile galvanized steel wire rope having spring clips for the loudspeaker end of the cable and UL listed cable fasteners for infinitely adjustable suspension height.

The system's 165 mm (6½ in) low-frequency driver features a polypropylene-coated cone and 25 mm (1 in) copper voice coil with vented fiberglass resin coil-former for high power handling and improved long-term reliability. The coaxially-mounted 25 mm (1 in) textile soft-dome high frequency driver features internal damping for smooth extended response, along with an aluminum voice coil former and neodymium magnet assembly with ferro-fluid cooling, for high-fidelity sound quality with enhanced long-term sound level capability.

The Control 67P/T contains a high-quality 60 Watt multi-tap transformer for use on 70V/100V distributed loudspeaker lines, and is switchable for 8-ohm voice-coil direct operation.

Euro-style clip-in connectors allow for easy wiring. For protected outdoor applications, rubber boots are included to cover the input connectors, and an optional terminal cover is available for harsher locations.



Shown with included grille removed

### Specifications:

<b>System:</b>	
Frequency Response (-10 dB):	58 Hz – 18 kHz
Frequency Range (±3 dB):	78 Hz – 16 kHz
Power Capacity <sup>2</sup> :	75 Watts Continuous Pink Noise Power (with 300 Watts peaks) 150 Watts Continuous Program Power
Nominal Sensitivity:	90 dB
Nominal Coverage Angle <sup>3</sup> :	120° (+20°/-15°)
Directivity (Q) <sup>3</sup> :	5.7
Directivity Index (DI) <sup>3</sup> :	7.5 dB
Rated Maximum SPL @ 1m:	109 dB continuous pink noise, 115 dB peak
Rated Impedance:	8 ohms
Transformer Taps:	70V: 60W, 30W, 15W & 7.5W 100V: 60W, 30W, 15W
Transformer Insertion Loss:	0.5 dB @ 7.5 W, 0.5 dB @ 15 W, 0.6 dB @ 30 W, 0.7 dB @ 60 W
<b>Transducer:</b>	
LF Driver:	165 mm (6.5 in) polypropylene-coated paper with pure butyl rubber surround, 25 mm (1 in) copper voice coil, vented fiberglass resin voice coil-former
HF Driver:	25 mm (1.0 in) textile soft-dome, neodymium magnet assembly, ferro-fluid cooling, aluminum voice coil former
<b>Enclosure:</b>	
Enclosure Material:	High impact polystyrene
Grille:	Zinc-plated steel grille with powder-coat finish, foam backing (removable for painting)
Environmental:	Exceeds Mil Spec 810 for humidity, salt spray, temperature & UV. IP44 capability per IEC 529 – splashproof rating.
Termination:	Two removable locking euro-block 2-pin connectors with screw-down terminals for bare wire. Connectors paralleled for input and loop-thru. Max. wire 12 AWG (2.5 mm <sup>2</sup> ). Rubber terminal covers included.
Suspension:	Two identical suspension systems (one as main suspension cable and the other as safety cable), each consisting of 4.5 m (15 ft) long 2 mm (0.077 in) high-tensile galvanized-steel wire rope suspension cable with spring-clips for clipping onto the loudspeaker bracket and Gripple™ brand adjustable-height cable fasteners for infinitely adjustable height. Cables have SWL rating of 45 kg (99 lb).
Safety Agency Ratings:	Speaker listed per UL1480, transformer registered per UL1876. In accordance with IEC60849/EN60849. Suspension system and Gripple™-brand cable fastener listed per UL1598 and UL2239, TUV, and CSA Class 3426-01 & Class 3426-81.
Dimensions:	312 mm (12.3 in) diameter x 330 mm (13.0 in) height to top of cabinet. 350 mm (13.8 in) to top of suspension bracket.
Net Weight (ea):	5.2 kg (11.5 lbs)
Shipping Weight (pair):	12.3 kg (27 lbs)
Included Accessories:	Two suspension cable systems (see "Suspension", above), two 2-pin removable locking euro-block connectors, two rubber covers for euro-block connectors.
Optional Accessories:	MTC-PC60 top panel / terminal cover
Colors:	Available in black or white (-WH). Paintable.

<sup>1</sup> Full-space (suspended)

<sup>2</sup> Continuous Pink Noise rating is IEC-shaped pink noise with a 6 dB peak-to-average crest factor for 100 hours continuously. Continuous Program power is a conservative expression of the system's ability to handle normal speech and music program material and is defined as 3 dB above the Continuous Pink Noise rating.

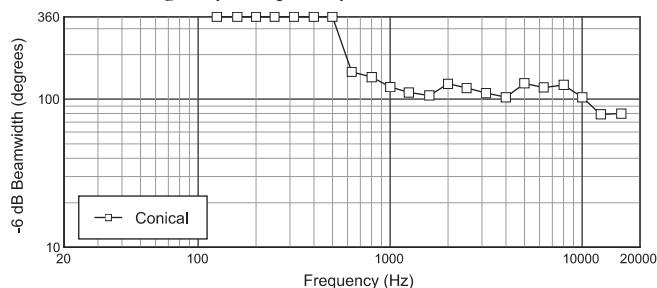
<sup>3</sup> Full-space (suspend in free air), average 1 kHz to 10 kHz.

JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

## ► Control 67P/T Full-Range Pendant Loudspeaker with RBI

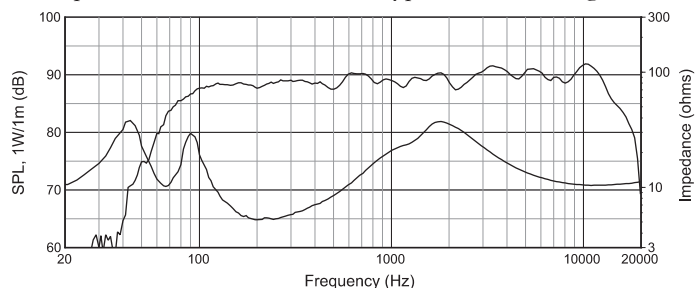
### Beamwidth:

-6 dB coverage by frequency

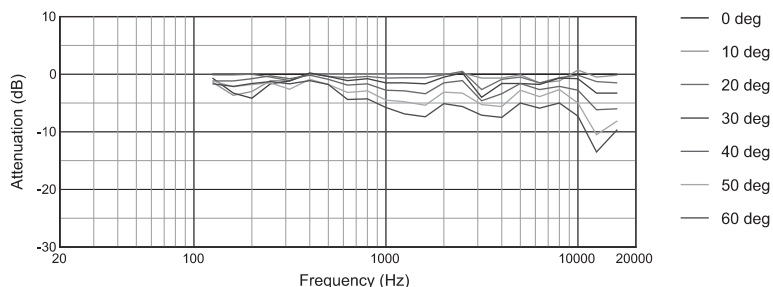


### Frequency Response:

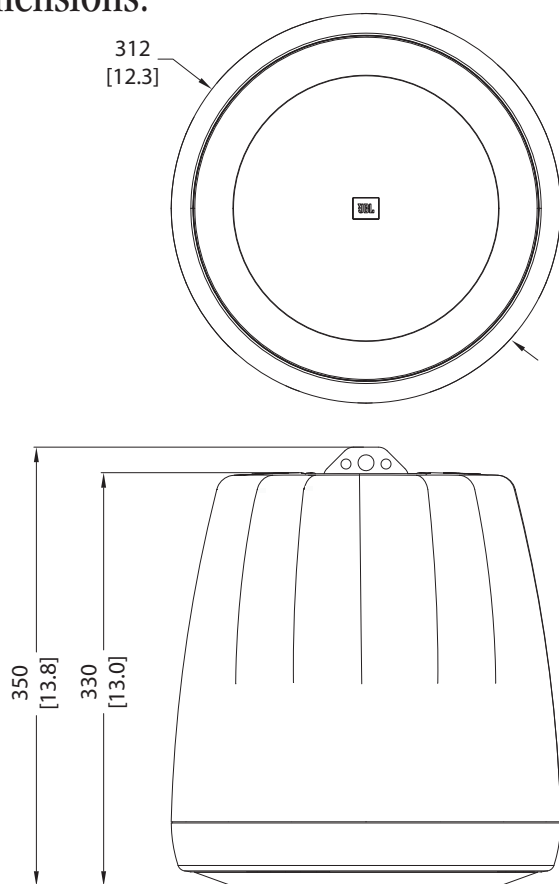
Full-space, 8 ohm, 10° off-axis (typical for coverage area)



### Off-Axis Frequency Response:



### Dimensions:



Dimensions in mm (in)



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PENDANT SPEAKERS

## SPEAKER INSTALLATION INSTRUCTIONS

using **GRIPPLE** Suspension Systems:



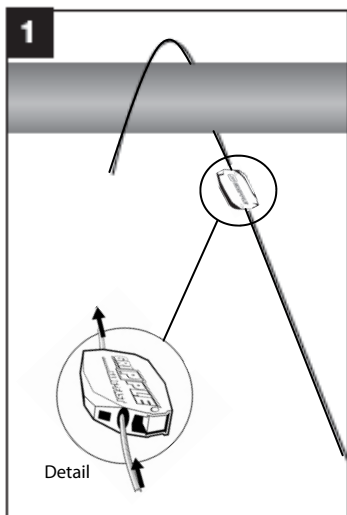
File No. E228153  
Luminaire Fittings  
File No. E251132  
Conduit & Cable Hardware



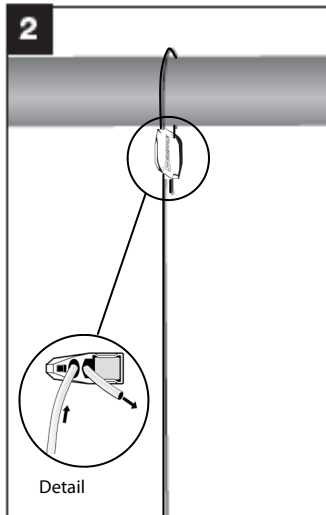
Fittings are suitable for use in Air Handling Spaces in accordance with Section 300.22 (C) and (D) of the National Electrical Code, and rules 12-010 (3), (4), and (5), and 12-020 of the Canadian Electrical Code, Part 1.

**CAUTION:** Installation must be done by qualified persons using safe rigging standards.

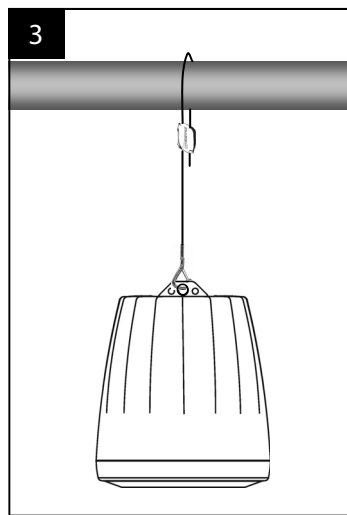
Use equipment only in accordance with manufacturer's instructions. Do not alter or modify.  
Do not use equipment if the equipment is not functioning correctly or if the equipment is defective



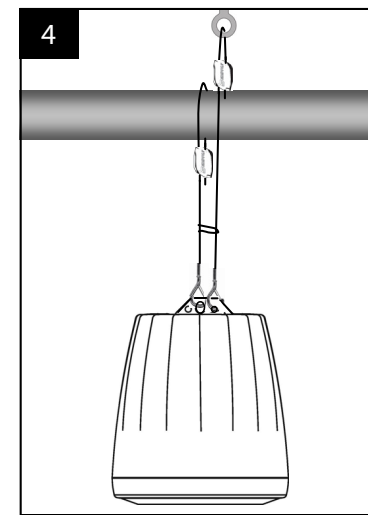
1. Thread Gripple onto cable (see inset detail). Pass over ceiling anchor point (as shown) or through other secure anchor point of the building structure. Installer is responsible for ensuring that anchor point is secure to building structure.



2. Pass tail end of cable through the other channel of the Gripple (see inset detail).



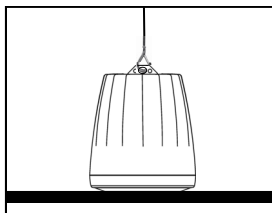
3. With speaker supported, snap main support hook hanger onto the center hole in the top bracket of the speaker. Adjust to proper height by pulling cable through either end of Gripple.



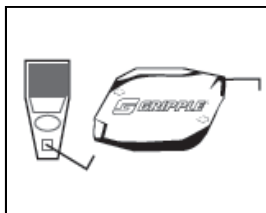
4. Snap secondary support safety cable hook hanger onto one of the side holes in the top bracket of the speaker, and attach the top to a different ceiling support point of the building structure, per Steps 1 & 2. After height adjustment is final, trim any unneeded extra cable tail wires with trimmer suitable for 2 mm (0.077 in) diameter stranded aircraft-type cable.

### How to use Release Key to adjust height of speaker:

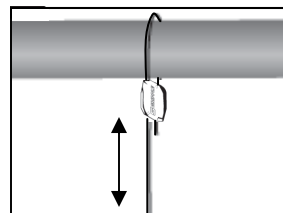
1. Make sure the load is supported.



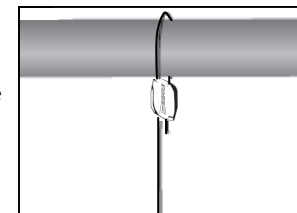
2. Insert key into small hole at top of Gripple. Push in 1/4" to release the cable.



3. Adjust height.



4. Remove key and re-secure the load.



## See Other Side for Speaker Installation Instructions



### MANUFACTURER'S RECOMMENDATIONS

**Load** – Do not exceed the Safe Working Load (SWL) of the Grippler. The SWL of the Grippler product included with this loudspeaker is 45 kg (100 lbs).

**No lifting** – Do not use for lifting, such as in a crane or pulley situation.

**No movement** – Grippler hangers are to be used to suspend static loads only. Do not use to suspend moving services, or services likely to be subject to movement.

**No joining** – Grippler hangers must not be spliced together using a Grippler fastener, or any other joining device. A Grippler hanger assembly must comprise one length of cable and one Grippler fastener only. If a longer length is needed, do not attempt to join two assemblies together.

**Limitations of use** – All Grippler hangers, accessories, and other Grippler products must only be used for suspending items recommended by the manufacturer.

**Painting** – If painting, ensure that a Grippler Décor Cover is applied to the Grippler fastener before painting to protect from the ingress of paint. Do not move the Grippler fastener on the cable after painting.

**Building codes** – Compliance with local codes, and where applicable national codes, is the buyer and/or installers responsibility.

**Not for re-use** – Grippler hangers are designed for permanent installations, not for re-use.

**Lubricants** – Do not apply oil or any other lubricant to any part of the assembly.

**Not for seismic bracing** – For Grippler products that have been tested and approved for seismic restraint applications, please refer to the Grippler Seismic product line.

**Round duct/pipes** – When wrapping around duct or other round pipes, do not exceed an angle of 60 degrees between the top of the pipe and the Grippler.

**Environment** – Standard Grippler hangers may be used only in dry locations. Stainless steel Grippler hangers may be used in certain indoor corrosive environments such as properly ventilated swimming pool arenas.

**Failure to observe these usage instructions may result in product malfunction, resulting in property damage and bodily injury. At time of shipment Grippler products are warranted to conform to the manufacturer's published specifications and to be free from defects in material and workmanship. No other warranty, whether expressed or implied, including any warranty of merchantability or fitness for purpose, whether expressed or implied, shall exist in connection with the sale or use of any Grippler product.**

For further technical assistance in the use of this Grippler suspension product, please contact:

Grippler Inc. 1611 Emily Lane Aurora, IL 60502 1-630-406-0600 [www.grippler.com](http://www.grippler.com)



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