

# Electro-Voice COBRALEXIIB Folded Sectoral Horn for 1824S/all 1828/all 1829/7110XC/all ID30 and all ID60 Drivers (Gray)

The Cobreflex IIB is an exponentially flared, reflex design for use in public address, paging, and voice warning systems.

This reflex construction results in both compactness and high efficiency when combined with appropriate compression drivers.

The patented (patent 2,751,996) folded design features two separate air columns in a single assembly that virtually eliminates high-frequency phase cancellation present in re-entrant designs.

The 80-degree horizontal by 60-degree vertical dispersion pattern is beneficial in many applications requiring a wide coverage pattern. Furthermore, excellent loading is maintained to a low-frequency cutoff of 250 Hz.

The Cobreflex IIB is constructed from a high-impact acrylonitrile butadiene styrene (ABS) with an ultraviolet inhibiting grey paint finish. A serrated positive-lock "U" mounting bracket is provided for maximum mounting flexibility and ease of installation.

## Architects' and Engineers' Specifications

The horn shall be of the reflex type featuring two separate air columns within the single assembly. It shall produce a horizontal beamwidth of 80-degrees and a vertical beamwidth of 60-degrees at 2 kHz. In addition, it shall provide useful acoustic loading at all frequencies above 250 Hz.

The horn shall be constructed from a high impact acrylonitrile butadiene styrene (ABS) and finished with an ultraviolet inhibiting grey paint.

A serrated, positive-lock "U" mounting bracket shall be affixed to the bell by self-locking nuts and shall provide orientation adjustment in all three planes.

The horn shall possess a throat of 1.91 cm (0.75 in.) diameter and shall be provided with a 1 3/8"-18 thread for the mounting of a compression driver. The horn shall be 23.5 cm (9.3 in.) high, 47.0 cm (18.5 in.) wide and 26.0 cm (10.3 in.) deep. It shall weigh no more than 2.3 kg (5.1 lb).

The horn shall be the Cobreflex 11B reflex horn.