

### **NEW!** Panduct® PanelMax™ Noise Shield

PanelMax™ Noise Shield separates motor drive cables and sensitive communication/signal cables within industrial control panels to reduce electromagnetic interference (EMI) while saving valuable space. The shield provides up to a 20dB reduction in noise which is equivalent to 6 inches of air spacing. The innovative design installs easily within Panduit Wiring Duct or when mounted separately, delivering greater design flexibility to satisfy a wide range of applications.

PanelMax™ Noise Shield is part of a suite of Industrial Automation Solutions from Panduit that meet the most demanding requirements and applications with a broad range of product systems that aid in reducing design and assembly time, creating valuable panel space savings, providing easier installation and maintenance, and improving reliability.



**PanelMax™ Noise Shield**

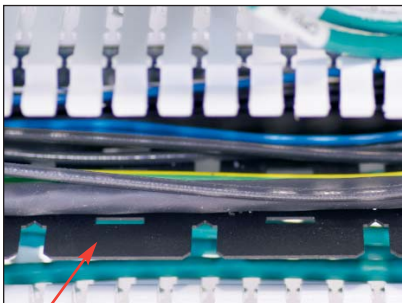
**Panduit Wiring Duct**

#### **Key Features**

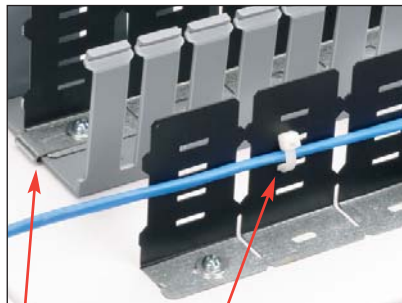
#### **Benefits**

<b>Metal noise barrier*</b>	Reduces EMI noise coupling between noise emitting and sensitive cabling; provides up to 20dB reduction in noise which is equivalent to 6 inches of air spacing
<b>Bonding clip*</b>	Installed inside the wiring duct to maintain electrical continuity between the sub-panel and noise shield to maintain reliable system performance with greater space savings and optimal aesthetics
<b>Perforated and pre-scored sections</b>	Speeds installation by allowing section(s) of the shield to be snapped off at pre-scored locations to easily cut to length with minimal deburring required
<b>Vertical wall slots</b>	Allows wires to cross the barrier at 90° when necessary, providing greater design flexibility
<b>Horizontal cable tie slots</b>	Allows cable bundles to be held in place using cable ties so cabling is kept near barrier for greater reliability and optimal aesthetics
<b>Zinc plated steel and durable black powder coated</b>	Zinc plated surface in contact areas with sub-panel and bonding clip ensures continuity and is corrosion resistant; coated vertical surfaces for smooth edges

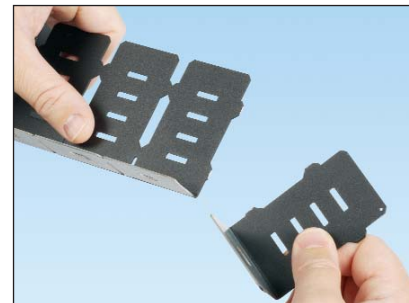
\*The noise shield, bonding clip (if used), enclosure, and equipment must be electrically bonded to ground for the shield to be effective.



**Metal noise barrier** equivalent to 6 inches of air spacing between power and signal cables, saves valuable panel space.



**Bonding clip and cable tie slots** integrated into shield to help ensure reliability.

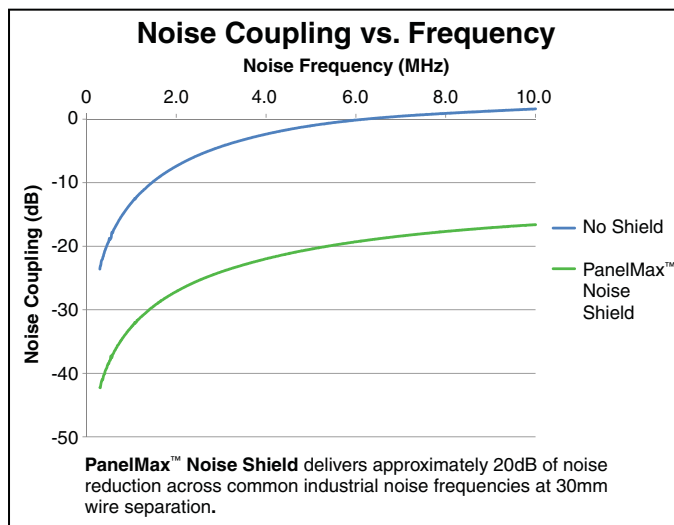


**Perforated and pre-scored sections** make it easy to cut to length with minimal deburring required.

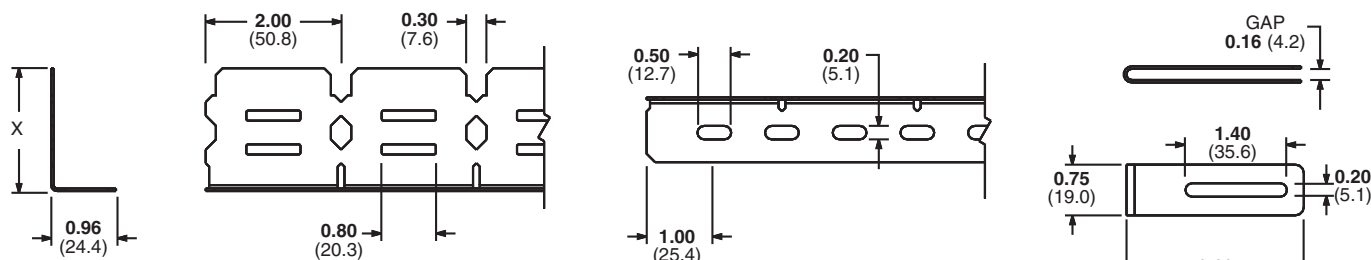
# Panduct® PanelMax™ Noise Shield

## Performance Characteristics

Relative noise reduction in dB over frequency range of the PanelMax™ Noise Shield is shown below.



## Technical Information



Part No.	X
SD2EMI	1.82 (46.1)
SD3EMI	2.88 (73.2)
SD4EMI	3.86 (98.2)

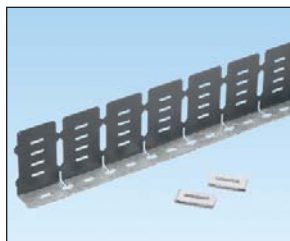
Sidewall: SD2EMI shown.  
SD3EMI, SD4EMI sidewall feature two pairs of cable tie slots per section.

Bottom view.

Bonding clip (for use with wiring duct).

All dimension shown in inches (mm).

## Ordering Information



Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
SD2EMI	2" height PanelMax™ Noise Shield in three foot length. Includes bonding clips for wiring duct use.	2 PC.	2 PC.
SD3EMI	3" height PanelMax™ Noise Shield in three foot length. Includes bonding clips for wiring duct use.	2 PC.	2 PC.
SD4EMI	4" height PanelMax™ Noise Shield in three foot length. Includes bonding clips for wiring duct use.	2 PC.	2 PC.

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