

NEW! Panduct® PanelMax™ Noise Shield

PanelMax™ Noise Shield separates 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 8 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.



Panduit Wiring Duct

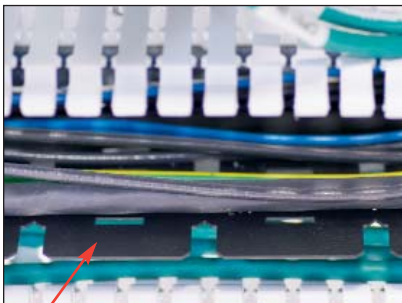
PanelMax™ Noise Shield

Key Features

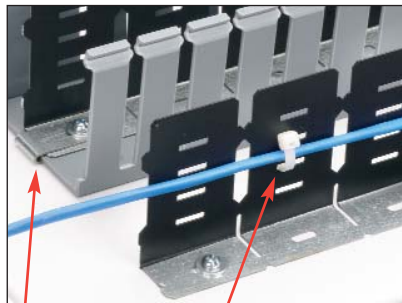
Benefits

Metal noise barrier*	Reduces EMI noise coupling between noise emitting and sensitive cabling; provides up to 20dB reduction in noise which is equivalent to 8 inches of air spacing
Bonding clip*	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
Perforated and pre-scored sections	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
Vertical wall slots	Allows wires to cross the barrier at 90° when necessary, providing greater design flexibility
Horizontal cable tie slots	Allows cable bundles to be held in place using cable ties so cabling is kept near barrier for greater reliability and optimal aesthetics
Zinc plated steel and durable black powder coated	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 8 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.

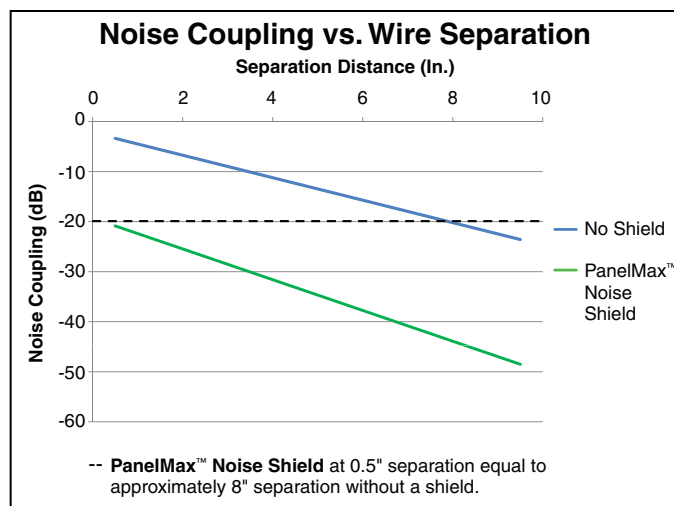
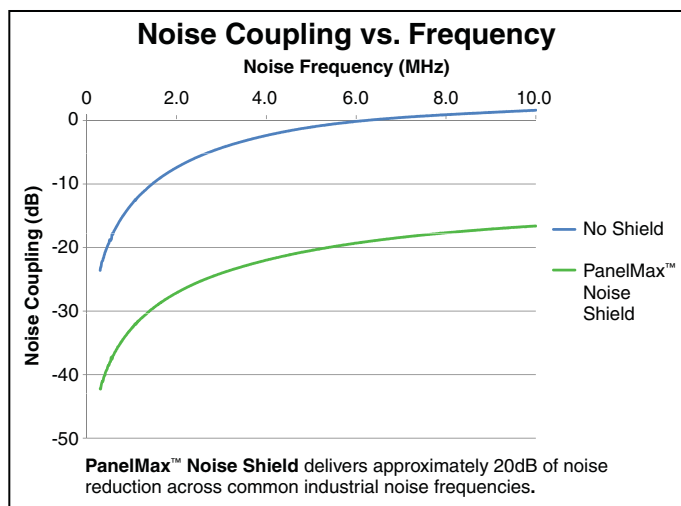


Perforated and pre-scored sections
make it easy to cut to length with minimal deburring required.

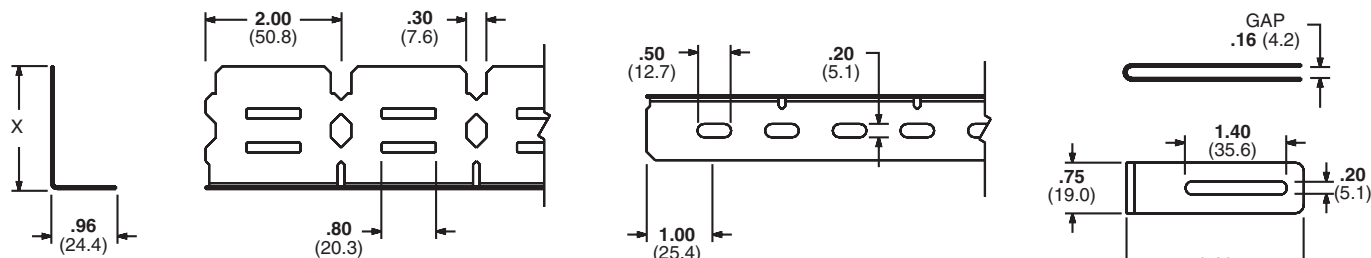
Panduct® PanelMax™ Noise Shield

Performance Characteristics

Relative noise reduction in dB over frequency range and relative noise reduction vs. separation distance of the PanelMax™ Noise Shield are shown below.



Technical Information



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

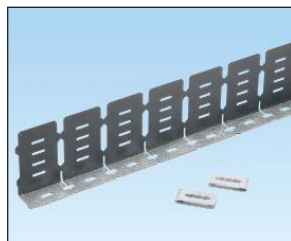
Sidewall: SD2EMI shown.
SD3EMI, SD4EMI sidewall feature two pairs of cable tie slots per section.

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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For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

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