



PANDUCT® Wiring Duct
SA-WDCB05 (replaces SA101N64D-LP)

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Control Panel

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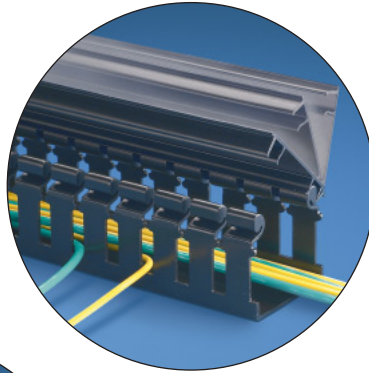
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*NORYL is a registered trademark of General Electric Company.

NEW!**Wiring Duct
from PANDUIT®****Type H – Hinged Cover
Wiring Duct**

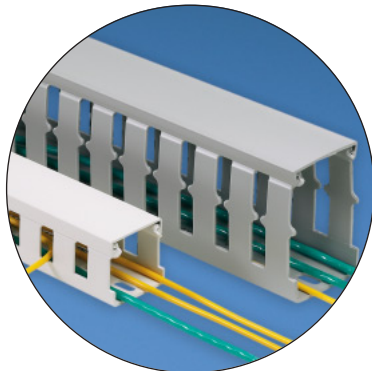
Designed for wire management applications where frequent moves, adds, changes or equipment upgrades require repeated, easy and quick access to duct channel.

See [pages B12, D6 & D7](#) for details.

**Type FL – Flexible Wiring Duct**

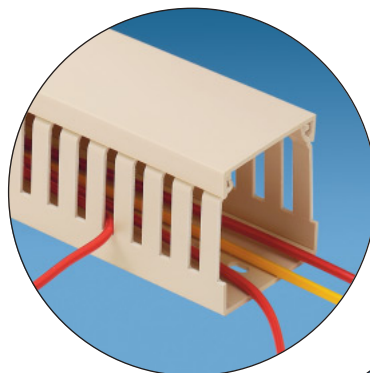
Designed to route and protect wires installed in control panel applications that require flexibility.

See [page E4](#) for details.

**Type NNC – Halogen Free Metric Wiring Duct**

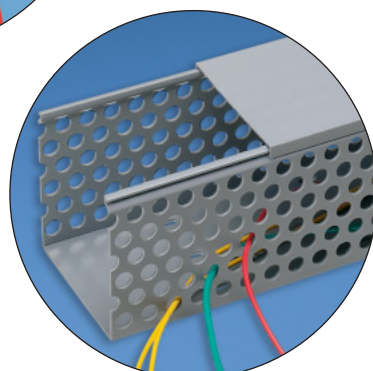
Designed for panel applications where high temperatures or halogen free requirements exist.

See [pages C4-C5](#) for details.

**Type TMC – Low Smoke/Low Toxicity
Wiring Duct**

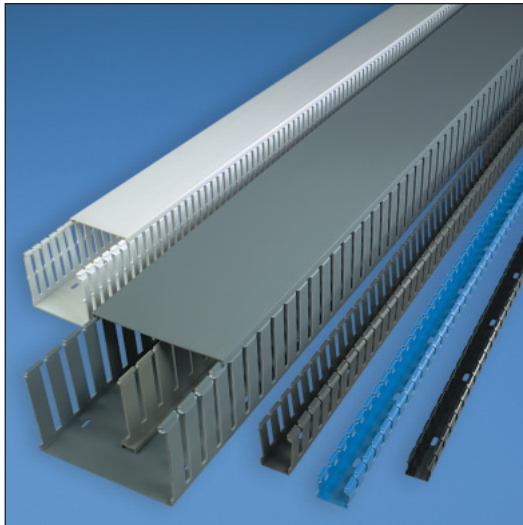
Designed for wire management applications in public transportation.

See [pages C8-C9](#) for details.

**Flush Cover Type D – Round
Hole Wiring Duct**

Improved profile design provides greater wirefill capacity.

See [pages B8-B9](#) for details.



For over 45 years, **PANDUIT®** has been the world leader in the design and manufacture of wiring duct in a wide selection of sizes, styles, colors and materials. The **PANDUIT®** name has become synonymous with high quality, innovative wiring duct products used to route, protect and conceal wiring in a wide variety of industrial control and telecommunications applications. **PANDUIT®** continues to develop new wiring duct solutions to satisfy the wire management challenges facing our customers worldwide.

Wiring Duct Functional Part Number System Makes Ordering Easy

| G | .5 | X | .5 | LG | 6 | -A |
|--|----------------------------|----------|-----------------------------|-------------------------|--------------------|---|
| Type/Style | Nominal Width In. or mm | | Nominal Height In. or mm | Color | Length Ft. or M | -A = Adhesive Backed = Without Adhesive (leave blank) NM = No Mounting Holes |
| G = Wide Finger Flush Design | | | | LG = Light Gray | | |
| F = Narrow Finger Flush Design | | | | DG = Dark Gray | | |
| FS = Solid Wall Flush Design | | | | WH = White | | |
| H = Wide Finger Hinged Design | | | | BL = Black | | |
| D = Round Hole Flush Design | | | | IB = Intrinsic Blue | | |
| NNC = Halogen Free Design | | | | BR = Beige | | |
| NE = <i>NORYL</i> * Wide Finger Design | | | | IG = International Grey | | |
| MC = Metric Narrow Finger Design | | | | | | |
| TMC = Low Smoke Metric Design | | | | | | |

Note: See **page F12** for UL94 requirements.

**NORYL* is a registered trademark of General Electric Company.

Overview

Wiring Duct *Overview*

Notes

Control
Panel

Special
Environment

Voice &
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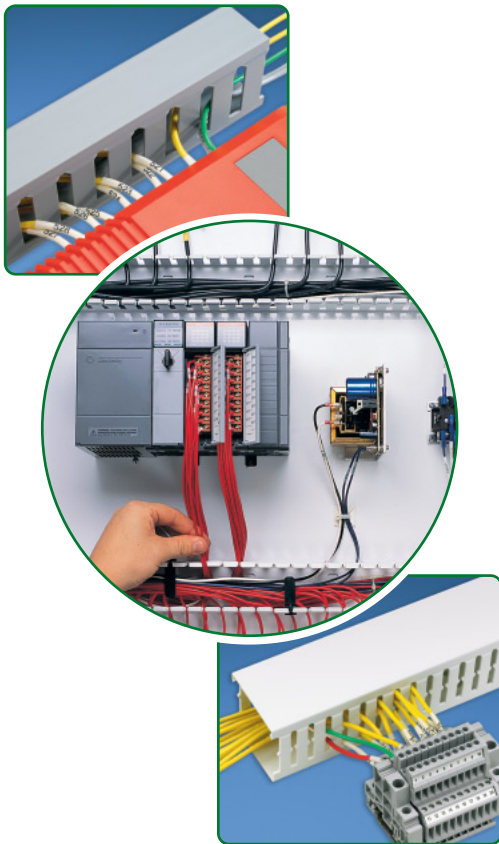
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Wiring Duct for Control Panel Applications

PANDUCT® Wiring Duct is the premium wire management solution for routing and concealing wiring in control panels. A wide variety of sizes are available to meet the wire capacity needs and space constraints of the smallest wall mounted panels to the largest integrated systems. In addition, five innovative wiring duct styles accommodate a variety of specification requirements, control panel designs and post-installation needs.



Some of the features and benefits found in all PANDUCT® Wiring Duct types include:

- Smooth corners and edges will not abrade wiring or irritate hands
- Integrated nonskid liner and unique cover designs insure the duct cover will not slide once installed or during vibration
- UL Recognized as meeting the requirements of UL Standard 1565 for Positioning Devices
- CE compliant for panels that are to be exported to Europe
- Specially formulated PVC material meets the NFPA79: 2002 flame retardancy requirements for nonmetallic duct in industrial equipment
- PVC material carries a UL94 flammability rating of V-0 for excellent flame retardancy



Wiring Duct for Control Panel Applications

Overview

Control Panel

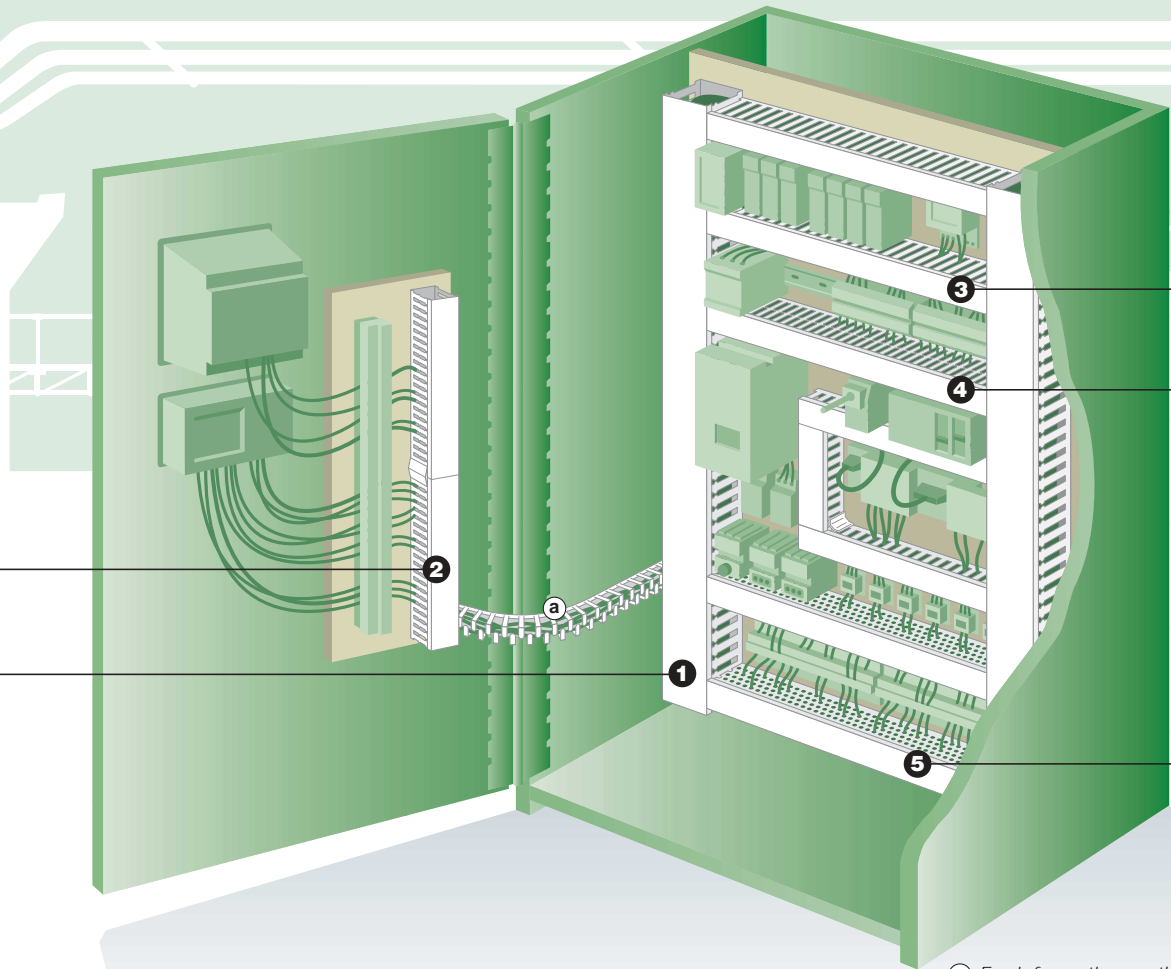
Special Environment

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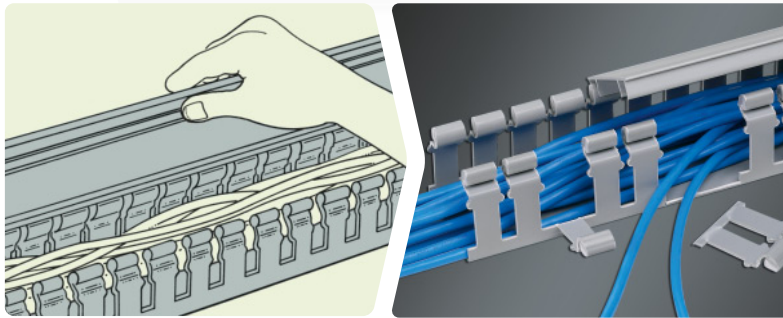
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1 Type H Hinged Cover Wiring Duct

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^a For information on the complete line of PANDUCT[®] Accessories see page E1

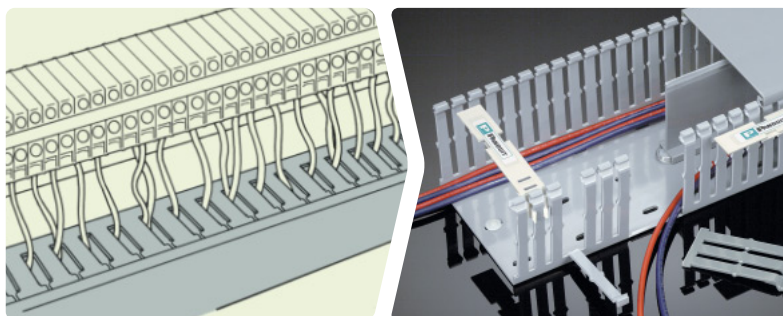


NEW!

Duct cover hinges open, providing easy access to cabling without the need to remove the cover. Ideal for applications with frequent moves, adds and changes.

2 Type F Narrow Slot Wiring Duct

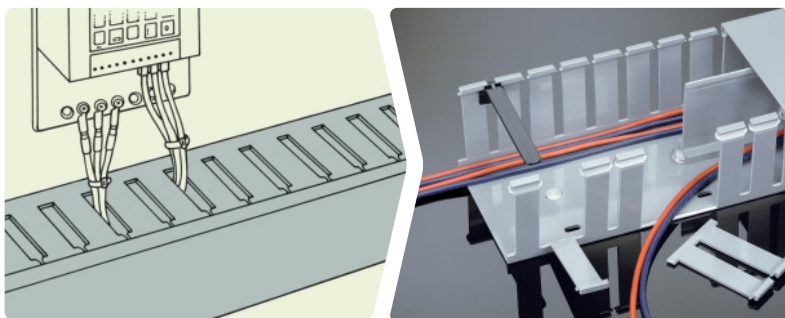
PAGES B6/B7



Narrow finger and slot design for high-density terminal blocks. Restricted slots retain conductors.

3 Type G Wide Slot Wiring Duct

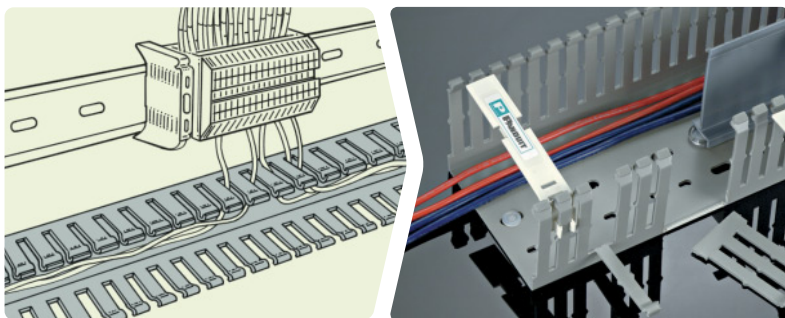
PAGES **B4/B5**



Wide finger and slot design allows both single conductors and small cable bundles to be easily transitioned from the channel. Fits a wide variety of applications.

4 Type MC Metric Wiring Duct

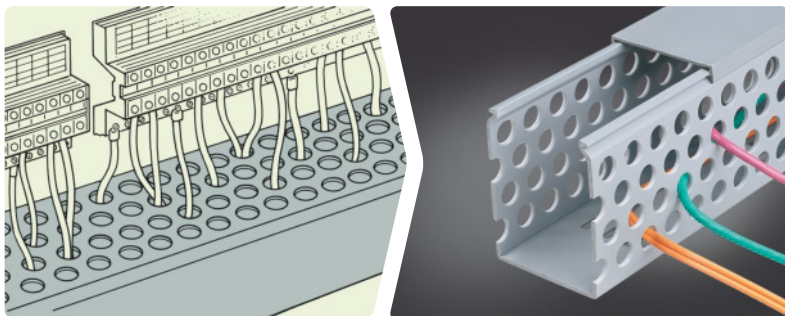
PAGES **B10/B11**



Narrow finger and slot design for high-density terminal blocks. Metric sizing with DIN style mounting hole pattern meets European specifications.

5 Type D Flush Cover Round Hole Wiring Duct

PAGES **B8/B9**

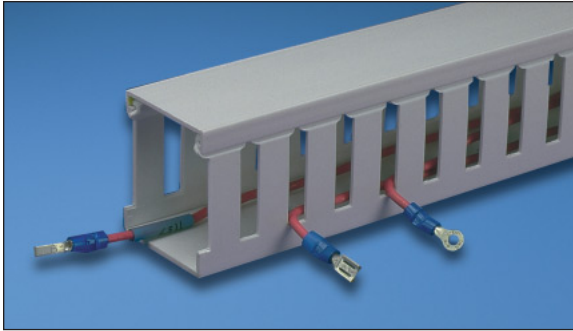


NEW DESIGN!

Round hole design allows the positioning of wires at various heights when transitioning from the duct. Flush cover design for increased capacity and superior aesthetics.

Wiring Duct *Control Panel*

PANDUCT® Type G — Wide Slot Wiring Duct

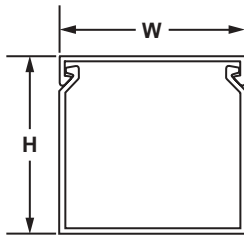


- Wide slot/finger design provides greater sidewall rigidity and can be used with a wide range of wire bundle sizes
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material

Control Panel



- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools



Special Environment

Voice & Data

Tools & Accessories

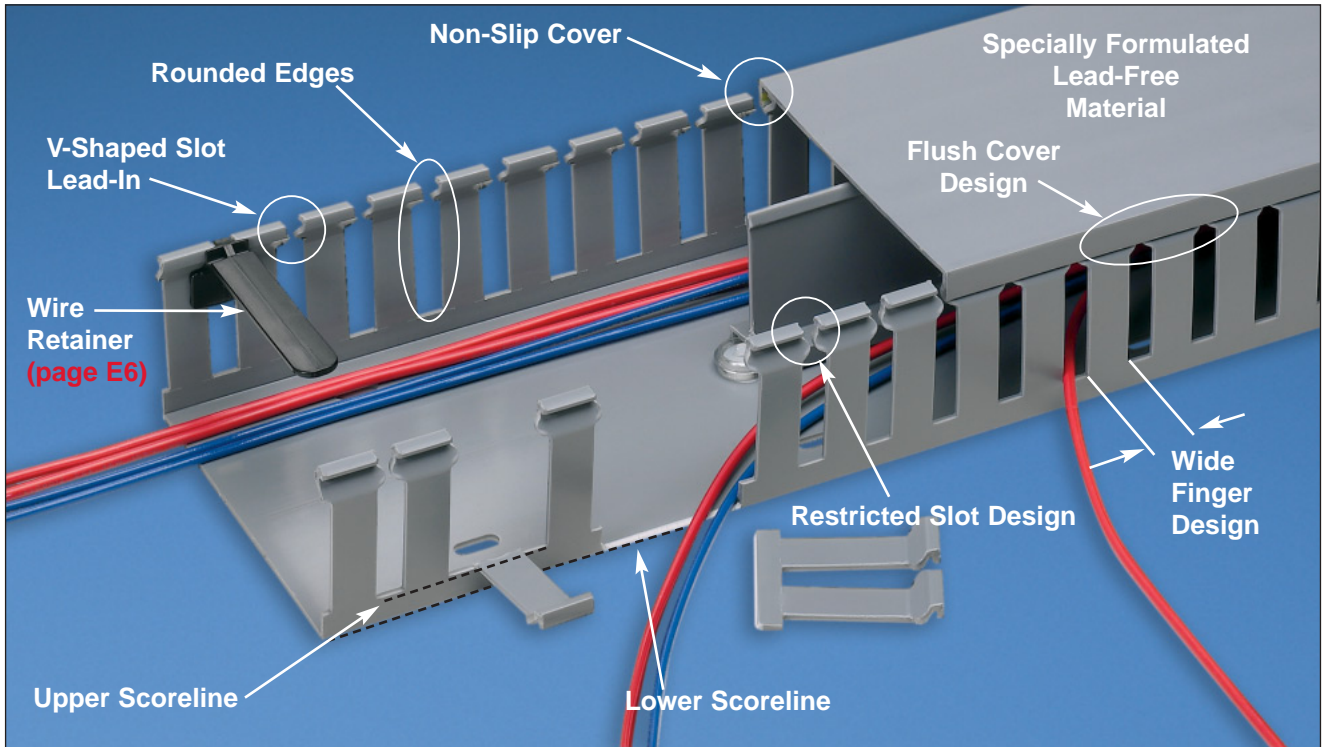
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| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|-------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| G.5X.5LG6 | .69 x .60 | 17.5 x 15.2 | C.5LG6 | 120 | 120 | 6 |
| G.5X1LG6 | .69 x 1.06 | 17.5 x 26.9 | | 120 | | |
| G.5X2LG6 | .69 x 2.03 | 17.5 x 51.6 | | 120 | | |
| G.5X4LG6 | .69 x 4.10 | 17.5 x 104.1 | | 60 | | |
| G.75X.75LG6 | .93 x .82 | 23.6 x 20.8 | C.75LG6 | 120 | 120 | 6 |
| G.75X1LG6 | .93 x 1.06 | 23.6 x 26.9 | | 120 | | |
| G.75X1.5LG6 | .93 x 1.57 | 23.6 x 39.9 | | 120 | | |
| G.75X2LG6 | .93 x 2.03 | 23.6 x 51.6 | | 120 | | |
| G1X1LG6 | 1.26 x 1.12 | 32.0 x 28.4 | C1LG6 | 120 | 120 | 6 |
| G1X1.5LG6 | 1.26 x 1.62 | 32.0 x 41.1 | | 120 | | |
| G1X2LG6 | 1.26 x 2.12 | 32.0 x 53.8 | | 120 | | |
| G1X3LG6 | 1.26 x 3.12 | 32.0 x 79.2 | | 120 | | |
| G1X4LG6 | 1.26 x 4.10 | 32.0 x 104.1 | | 60 | | |
| G1.5X1LG6 | 1.75 x 1.12 | 44.5 x 28.4 | C1.5LG6 | 120 | 120 | 6 |
| G1.5X1.5LG6 | 1.75 x 1.62 | 44.5 x 41.1 | | 120 | | |
| G1.5X2LG6 | 1.75 x 2.12 | 44.5 x 53.8 | | 120 | | |
| G1.5X3LG6 | 1.75 x 3.12 | 44.5 x 79.2 | | 120 | | |
| G1.5X4LG6 | 1.75 x 4.10 | 44.5 x 104.1 | | 60 | | |
| G2X1LG6 | 2.25 x 1.12 | 57.2 x 28.4 | C2LG6 | 120 | 120 | 6 |
| G2X1.5LG6 | 2.25 x 1.62 | 57.2 x 41.1 | | 120 | | |
| G2X2LG6 | 2.25 x 2.12 | 57.2 x 53.8 | | 120 | | |
| G2X3LG6 | 2.25 x 3.12 | 57.2 x 79.2 | | 60 | | |
| G2X4LG6 | 2.25 x 4.10 | 57.2 x 104.1 | | 60 | | |
| G2X5LG6 | 2.25 x 5.10 | 57.2 x 129.5 | | 60 | | |
| G2.5X3LG6 | 2.75 x 3.12 | 69.9 x 79.2 | C2.5LG6 | 120 | 120 | 6 |
| G3X1LG6 | 3.25 x 1.12 | 82.6 x 28.4 | C3LG6 | 120 | 120 | 6 |
| G3X2LG6 | 3.25 x 2.12 | 82.6 x 53.8 | | 120 | | |
| G3X3LG6 | 3.25 x 3.12 | 82.6 x 79.2 | | 60 | | |
| G3X4LG6 | 3.25 x 4.10 | 82.6 x 104.1 | | 60 | | |
| G3X5LG6 | 3.25 x 5.10 | 82.6 x 129.5 | | 60 | | |
| G4X1.5LG6 | 4.25 x 1.62 | 108.0 x 41.1 | C4LG6 | 120 | 120 | 6 |
| G4X2LG6 | 4.25 x 2.12 | 108.0 x 53.8 | | 60 | | |
| G4X3LG6 | 4.25 x 3.12 | 108.0 x 79.2 | | 60 | | |
| G4X4LG6 | 4.25 x 4.10 | 108.0 x 104.1 | | 60 | | |
| G4X5LG6 | 4.25 x 5.10 | 108.0 x 129.5 | | 60 | | |
| G6X4LG6 | 6.25 x 4.15 | 158.8 x 105.4 | C6LG6 | 60 | 120 | 6 |

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, [page F14](#).



| Features | Advantages | Benefits |
|--|---|---|
| Wide finger and slot design | Greater rigidity and larger slot width | Can be used with a wide range of wire and bundle sizes |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Flush cover design | Greater capacity than traditional duct designs Cover sits flush with sidewall | Can potentially use a smaller size wiring duct for same number of wires Provides a neat and finished appearance |
| Double scoreline | Upper scoreline at base of finger allows fingers to be broken out without tools Lower scoreline at base of duct allows sidewall sections to be removed | Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost Easier to create tee and corner junctions with full wire carrying capacity |
| Specially formulated material | Lead-free Provides a smooth burr-free edge when sidewalls or fingers are broken out | Eliminates health concerns associated with PVC that contains lead Eliminates the need to deburr saving installation time |
| V-shaped slot lead-in | V-shape funnels wires into slot for easier insertion | Speeds wire installation |
| Restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed | Eliminates hassle and saves time during installation and maintenance |

Overview

Control Panel

Special Environment

Voice & Data

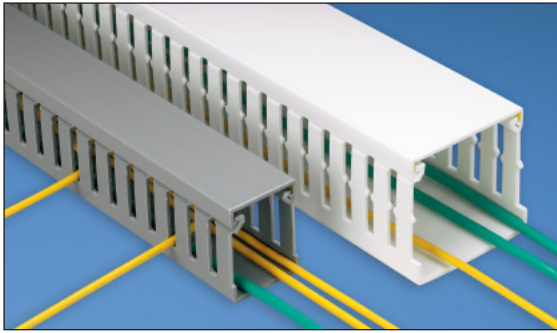
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Wiring Duct *Control Panel*

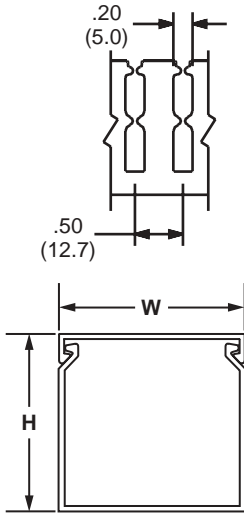
PANDUCT® Type F — Narrow Slot Wiring Duct



- Narrow slot/finger design provides more slots to closer fit the spacing of high-density terminal blocks and other hardware
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material



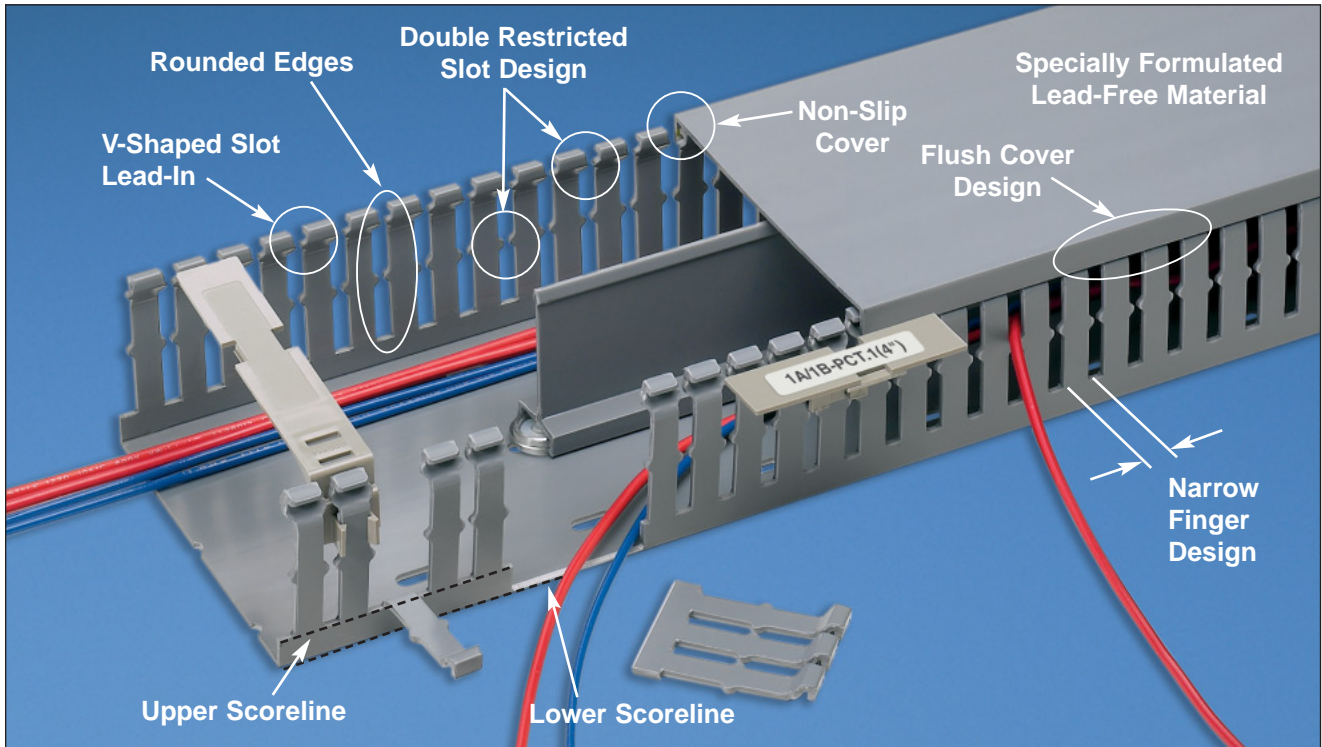
- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools



| Reference | Page(s) |
|-------------------------|------------------|
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| Dimensions | F3 |
| Wirefill Guide | F8 |
| Material Specifications | F13 |
| Tools & Accessories | Section E |
| Installation Tips | F15 |

| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|-------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| F.5X.5LG6 | .69 x .60 | 17.5 x 15.2 | C.5LG6 | 120 | 120 | 6 |
| F.5X1LG6 | .69 x 1.06 | 17.5 x 26.9 | | 120 | | |
| F.75X.75LG6 | .93 x .82 | 23.6 x 20.8 | C.75LG6 | 120 | 120 | 6 |
| F.75X1.5LG6 | .93 x 1.57 | 23.6 x 39.9 | | 120 | | |
| F1X1LG6 | 1.26 x 1.12 | 32.0 x 28.4 | C1LG6 | 120 | 120 | 6 |
| F1X1.5LG6 | 1.26 x 1.62 | 32.0 x 41.1 | | 120 | | |
| F1X2LG6 | 1.26 x 2.12 | 32.0 x 53.8 | | 120 | | |
| F1X3LG6 | 1.26 x 3.12 | 32.0 x 79.2 | | 120 | | |
| F1X4LG6 | 1.26 x 4.10 | 32.0 x 104.1 | | 60 | | |
| F1.5X1LG6 | 1.75 x 1.12 | 44.5 x 28.4 | C1.5LG6 | 120 | 120 | 6 |
| F1.5X1.5LG6 | 1.75 x 1.62 | 44.5 x 41.1 | | 120 | | |
| F1.5X2LG6 | 1.75 x 2.12 | 44.5 x 53.8 | | 120 | | |
| F1.5X3LG6 | 1.75 x 3.12 | 44.5 x 79.2 | | 120 | | |
| F1.5X4LG6 | 1.75 x 4.10 | 44.5 x 104.1 | | 60 | | |
| F2X1LG6 | 2.25 x 1.12 | 57.2 x 28.4 | C2LG6 | 120 | 120 | 6 |
| F2X1.5LG6 | 2.25 x 1.62 | 57.2 x 41.1 | | 120 | | |
| F2X2LG6 | 2.25 x 2.12 | 57.2 x 53.8 | | 120 | | |
| F2X3LG6 | 2.25 x 3.12 | 57.2 x 79.2 | | 60 | | |
| F2X4LG6 | 2.25 x 4.10 | 57.2 x 104.1 | | 60 | | |
| F2X5LG6 | 2.25 x 5.10 | 57.2 x 129.5 | | 60 | | |
| F3X1LG6 | 3.25 x 1.12 | 82.6 x 28.4 | C3LG6 | 120 | 120 | 6 |
| F3X2LG6 | 3.25 x 2.12 | 82.6 x 53.8 | | 120 | | |
| F3X3LG6 | 3.25 x 3.12 | 82.6 x 79.2 | | 60 | | |
| F3X4LG6 | 3.25 x 4.10 | 82.6 x 104.1 | | 60 | | |
| F3X5LG6 | 3.25 x 5.10 | 82.6 x 129.5 | | 60 | | |
| F4X2LG6 | 4.25 x 2.12 | 108.0 x 53.8 | C4LG6 | 60 | 120 | 6 |
| F4X3LG6 | 4.25 x 3.12 | 108.0 x 79.2 | | 60 | | |
| F4X4LG6 | 4.25 x 4.10 | 108.0 x 104.1 | | 60 | | |
| F4X5LG6 | 4.25 x 5.10 | 108.0 x 129.5 | | 60 | | |

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, [page F14](#).



| Features | Advantages | Benefits |
|--|---|---|
| Narrow finger and slot design | Provides closer spacing for use with high-density applications | Allows further fanning of wires for neater wire management in high-density control panels |
| Smooth rounded edges | Exclusive PANDUIT® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Flush cover design | Greater capacity than traditional duct designs Cover sits flush with sidewall | Can potentially use a smaller size wiring duct for same number of wires Provides a neat and finished appearance |
| Double scoreline | Upper scoreline at base of finger allows fingers to be broken out without tools Lower scoreline at base of duct allows complete side wall sections to be removed | Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost Easier to create tee and corner junctions with full wire carrying capacity |
| Specially formulated material | Lead-free Provides a smooth burr-free edge when sidewalls or fingers are broken out | Eliminates health concerns associated with PVC that contains lead Eliminates the need to deburr saving installation time |
| V-shaped slot lead-in | V-shape funnels wires into slot for easier insertion | Speeds wire installation |
| Double restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed Second restriction retains cabling within top or bottom portion of slot in larger wiring duct sizes | Eliminates hassle and saves time during installation and maintenance Provides a neat and finished appearance |

Overview

Control Panel

Special Environment

Voice & Data

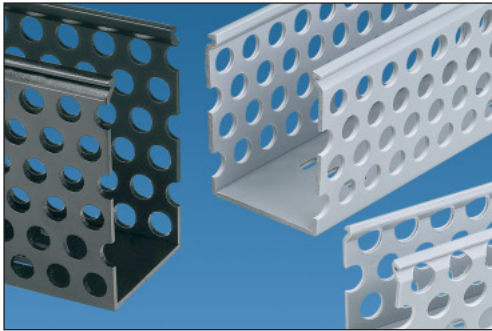
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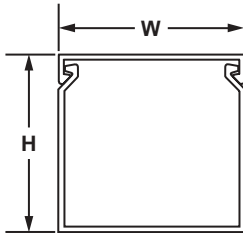
NEW DESIGN! PANDUCT® Type D — Flush Cover Round Hole Wiring Duct



- Round hole design has multiple rows of holes to retain and support wire at variable heights and positions
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material



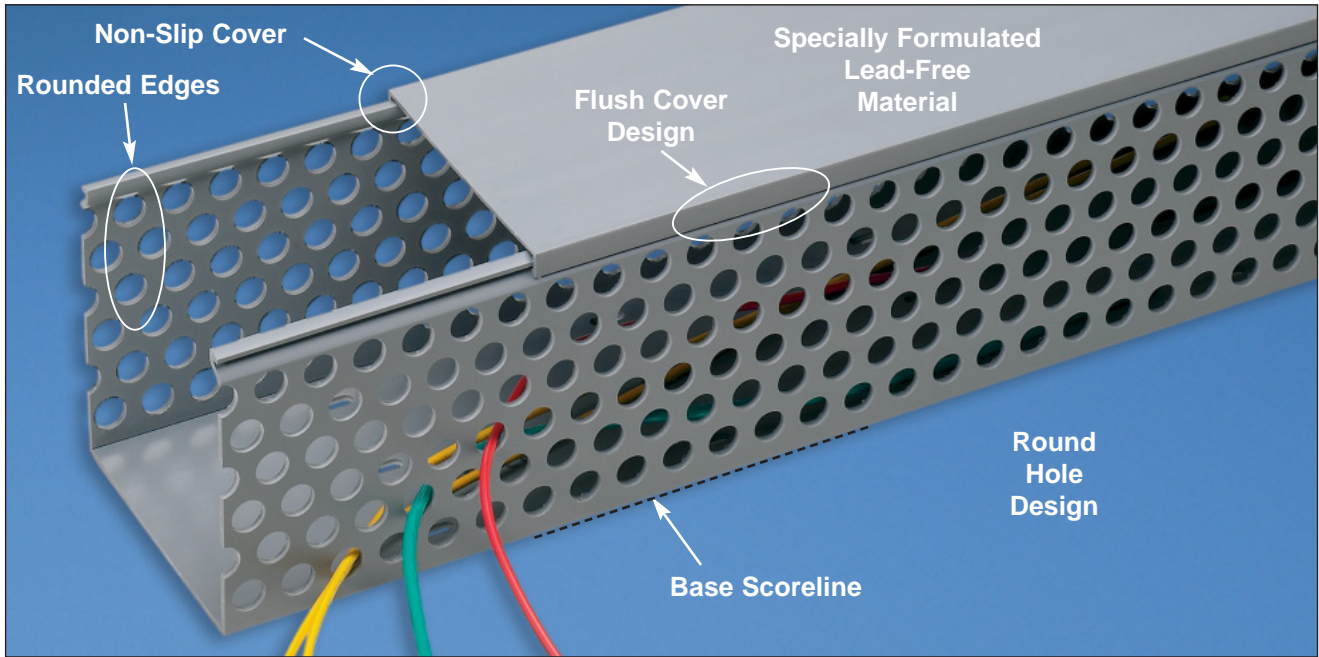
- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools



| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|-------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| D1X2LG6 | 1.26 x 2.12 | 32.0 x 53.8 | C1LG6 | 120 | 120 | 6 |
| D1X3LG6 | 1.26 x 3.12 | 32.0 x 79.2 | | 120 | | |
| D1X4LG6 | 1.26 x 4.10 | 32.0 x 104.1 | | 60 | | |
| D1.5X2LG6 | 1.75 x 2.12 | 44.5 x 53.8 | C1.5LG6 | 120 | 120 | 6 |
| D1.5X3LG6 | 1.75 x 3.12 | 44.5 x 79.2 | | 120 | | |
| D1.5X4LG6 | 1.75 x 4.10 | 44.5 x 104.1 | | 60 | | |
| D2X2LG6 | 2.25 x 2.12 | 57.2 x 53.8 | C2LG6 | 120 | 120 | 6 |
| D2X3LG6 | 2.25 x 3.12 | 57.2 x 79.2 | | 60 | | |
| D2X4LG6 | 2.25 x 4.10 | 57.2 x 104.1 | | 60 | | |
| D2.5X3LG6 | 2.75 x 3.12 | 69.9 x 79.2 | C2.5LG6 | 120 | 120 | 6 |
| D3X2LG6 | 3.25 x 2.12 | 82.6 x 53.8 | C3LG6 | 120 | 120 | 6 |
| D3X3LG6 | 3.25 x 3.12 | 82.6 x 79.2 | | 60 | | |
| D3X4LG6 | 3.25 x 4.10 | 82.6 x 104.1 | | 60 | | |
| D4X2LG6 | 4.25 x 2.12 | 108.0 x 53.8 | C4LG6 | 60 | 120 | 6 |
| D4X3LG6 | 4.25 x 3.12 | 108.0 x 79.2 | | 60 | | |
| D4X4LG6 | 4.25 x 4.10 | 108.0 x 104.1 | | 60 | | |

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, [page F14](#).

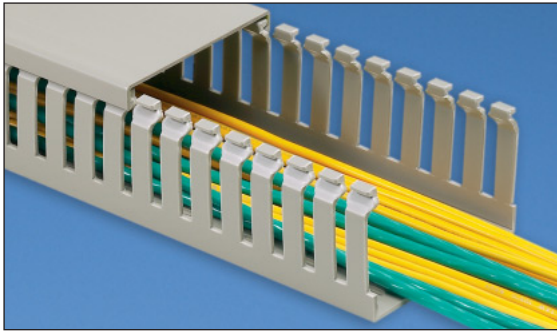
| Reference | Page(s) |
|-------------------------|---------------------------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F2 |
| Wirefill Guide | F8 |
| Material Specifications | F13 |
| Tools & Accessories | Section E |
| Installation Tips | F15 |



| Features | Advantages | Benefits |
|--|--|---|
| Round hole design | Retains and supports wires at variable heights and positions with or without the cover installed | Superior aesthetics and wire management |
| Flush cover design | Greater capacity than traditional duct designs Cover sits flush with sidewall | Can potentially use a smaller size wiring duct for same number of wires Provides a neat and finished appearance |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges of punched holes | Protects hands and wiring/cabling from abrasion |
| Specially formulated material | Lead-free Provides a smooth burr-free edge when sidewalls are broken out | Eliminates health concerns associated with PVC that contains lead Eliminates the need to deburr saving installation time |
| Base scoreline | Scoreline at base of duct allows sidewall sections to be removed | Easier to create tee and corner junctions with full wire carrying capacity |

Wiring Duct *Control Panel*

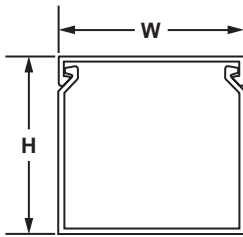
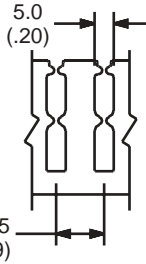
PANDUCT® Type MC — Metric Narrow Slot Wiring Duct



- CE compliant and metric sizing for control panels intended for European applications
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with DIN 43 659 mounting holes
- Duct and cover packaged together in 2 meter lengths
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material



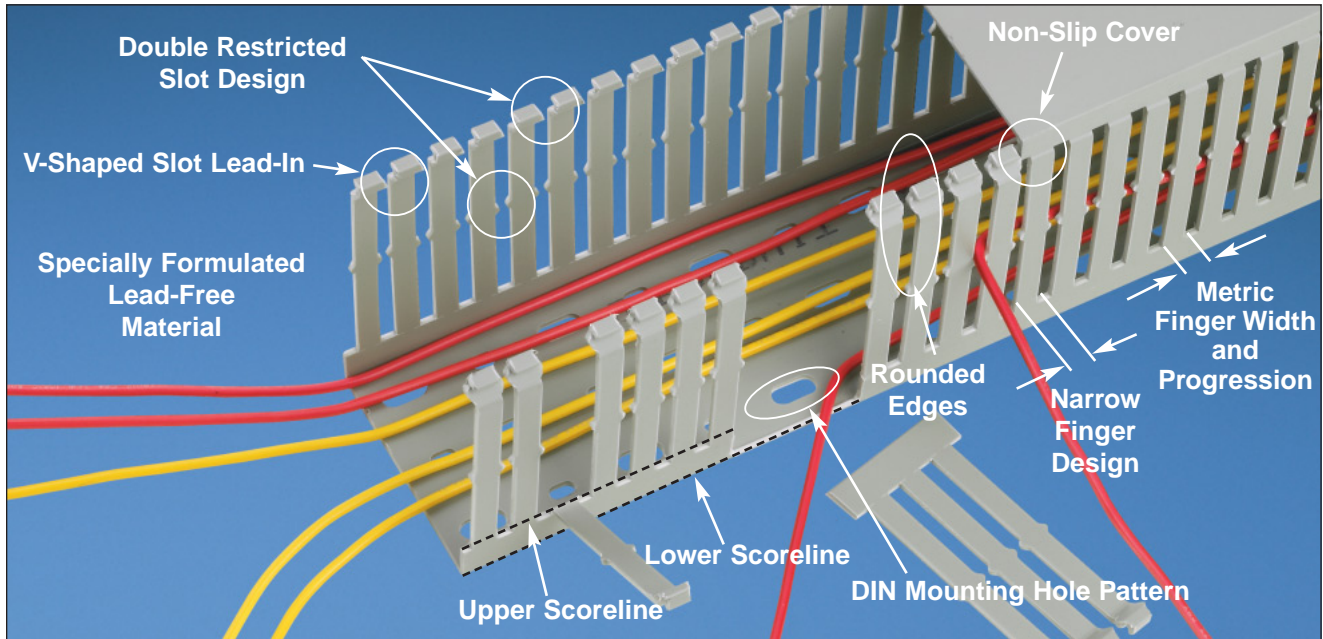
- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools



| Part Number | Duct Size W x H | | Replacement Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (M) |
|--------------|-----------------|-------------|-------------------------------|---------------------|----------------------|------------|
| | mm | In. | | | | |
| MC25X25IG2 | 24.6 x 23.6 | .97 x .93 | C25IG2 | 20 | 20 | 2 |
| MC25X37IG2 | 24.6 x 35.8 | .97 x 1.41 | | 20 | | |
| MC25X50IG2 | 24.6 x 47.8 | .97 x 1.88 | | 20 | | |
| MC25X62IG2 | 24.6 x 59.7 | .97 x 2.35 | | 20 | | |
| MC25X75IG2 | 24.6 x 72.4 | .97 x 2.85 | | 20 | | |
| MC37X37IG2 | 37.1 x 35.8 | 1.46 x 1.41 | C37IG2 | 20 | 20 | 2 |
| MC37X50IG2 | 37.1 x 47.8 | 1.46 x 1.88 | | 20 | | |
| MC37X62IG2 | 37.1 x 59.7 | 1.46 x 2.35 | | 20 | | |
| MC37X75IG2 | 37.1 x 72.4 | 1.46 x 2.85 | | 20 | | |
| MC50X50IG2 | 49.5 x 47.8 | 1.95 x 1.89 | C50IG2 | 20 | 20 | 2 |
| MC50X75IG2 | 49.5 x 72.4 | 1.95 x 2.85 | | 10 | | |
| MC50X100IG2 | 49.5 x 97.8 | 1.95 x 3.85 | | 10 | | |
| MC62X37IG2 | 62.0 x 35.8 | 2.44 x 1.41 | C62IG2 | 20 | 20 | 2 |
| MC62X62IG2 | 62.0 x 59.7 | 2.44 x 2.35 | | 20 | | |
| MC75X50IG2 | 74.7 x 48.0 | 2.94 x 1.89 | C75IG2 | 20 | 20 | 2 |
| MC75X62IG2 | 74.7 x 59.7 | 2.94 x 2.35 | | 20 | | |
| MC75X75IG2 | 74.7 x 72.4 | 2.94 x 2.85 | | 10 | | |
| MC75X100IG2 | 74.7 x 97.8 | 2.94 x 3.85 | | 10 | | |
| MC100X50IG2 | 99.6 x 48.0 | 3.92 x 1.89 | C100IG2 | 10 | 20 | 2 |
| MC100X62IG2 | 99.6 x 59.7 | 3.92 x 2.35 | | 10 | | |
| MC100X75IG2 | 99.6 x 72.4 | 3.92 x 2.85 | | 10 | | |
| MC100X100IG2 | 99.6 x 97.8 | 3.92 x 3.85 | | 10 | | |

Available in IG (International Gray) only.

| Reference | Page(s) |
|-------------------------|-----------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F4 |
| Wirefill Guide | F9 |
| Material Specifications | F13 |
| Tools & Accessories | Section E |
| Installation Tips | F15 |



| Features | Advantages | Benefits |
|--|---|--|
| Metric size and finger progression | Slot width and pitch may match more closely to components with metric dimensions | Provides a metric sized wiring duct solution for applications that specify metric dimensioning, such as when exporting equipment to European countries |
| Narrow finger and slot design | Provides closer spacing for use with high-density applications | Allows further fanning of wires for neater wire management in high-density control panels |
| DIN 43 659 mounting hole pattern | Provides the required mounting hole pattern for use in cabinets which are designed to these standards | Meets European standards for use in cabinet applications |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Double scoreline | Upper scoreline at base of finger allows fingers to be broken out without tools | Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost |
| | Lower scoreline at base of duct allows sidewall sections to be removed | Easier to create tee and corner junctions with full wire carrying capacity |
| Specially formulated material | Lead-free | Eliminates health concerns associated with PVC that contains lead |
| | Provides a smooth burr-free edge when sidewalls or fingers are broken out | Eliminates the need to deburr saving installation time |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Flush cover design | Greater capacity than traditional duct designs | Can potentially use a smaller size wiring duct for same number of wires |
| | Cover sits flush with sidewall | Provides a neat and finished appearance |
| Double restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed | Eliminates hassle and saves time during installation and maintenance |
| | Second restriction retains cabling within top or bottom portion of slot in larger wiring duct sizes | Provides a neat and finished appearance |

Overview

Control Panel

Special Environment

Voice & Data

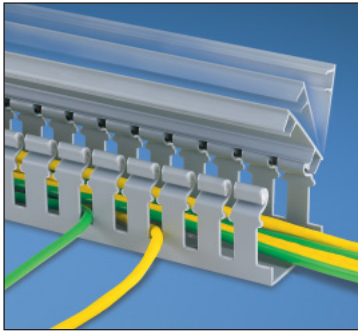
Tools & Accessories

Technical Info

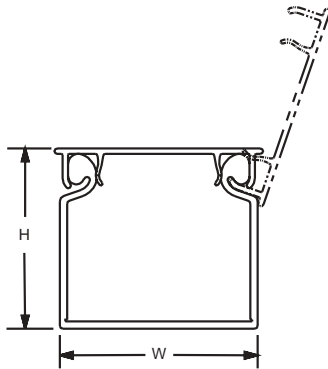
Index

Wiring Duct *Control Panel*

NEW! PANDUCT® Type H — Hinged Cover Wiring Duct



- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes



| Part Number | Duct Size WxH | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|-------------|---------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| H1.5X2LG6 | 1.75 x 1.98 | 44.5 x 50.3 | HC1.5LG6 | 120 | 120 | 6 |
| H1.5X3LG6 | 1.75 x 3.06 | 44.5 x 77.7 | HC1.5LG6 | 120 | 120 | 6 |
| H2X2LG6 | 2.17 x 1.98 | 55.1 x 50.3 | HC2LG6 | 120 | 120 | 6 |
| H2X3LG6 | 2.17 x 3.06 | 55.1 x 77.7 | HC2LG6 | 60 | 120 | 6 |
| H2X4LG6 | 2.17 X 4.10 | 55.1 X 104.1 | HC2LG6 | 60 | 120 | 6 |
| H3X3LG6 | 3.25 x 3.06 | 82.6 x 77.7 | HC3LG6 | 60 | 120 | 6 |
| H3X4LG6 | 3.25 x 4.10 | 82.6 x 104.1 | HC3LG6 | 60 | 120 | 6 |
| H4X4LG6 | 4.25 x 4.10 | 108.0 x 104.1 | HC4LG6 | 60 | 60 | 6 |

Available in BL (Black), LG (Light Gray) and WH (White).

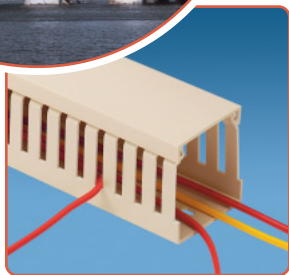
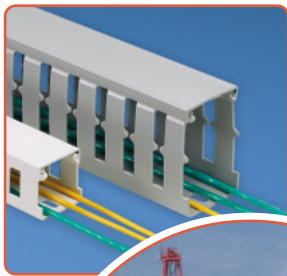
| Reference | Page(s) |
|-------------------------|---------------------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F7 |
| Wirefill Guide | F9 |
| Material Specifications | F13 |
| Tools & Accessories | D11, D12, Section E |
| Installation Tips | F15 |

Wiring Duct for Special Environments

Overview

PANDUIT® offers a selection of special materials in PANDUCT® Wiring Duct for routing and concealing wiring in special use environments. Special use environments include applications such as transportation, oil and gas platforms, nuclear power plants and semiconductor and electronics manufacturing.

Control Panel



Some of the features and benefits found in PANDUCT® Wiring Duct types for special environments include:

- Specialty materials will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronics, and exhibits excellent flame retardance
- Flush cover design to maximize capacity over the channel footprint and provide a neater appearance
- Integrated non-skid liner insures the duct cover will not slide once installed or during vibration
- Smooth corners and edges will not abrade cabling or irritate hands
- UL Recognized as meeting the requirements of UL Standard 1565 for Positioning Devices
- CE compliant for panels that are to be exported to Europe

Special Environment

Voice & Data

Tools & Accessories

Technical Info

Index

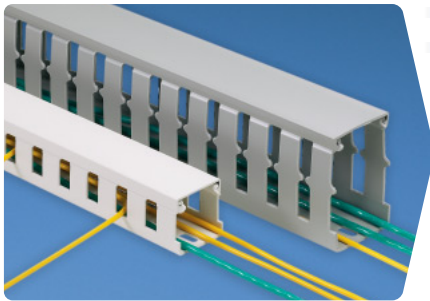


Wiring Duct for Special Environments

Overview

Control Panel

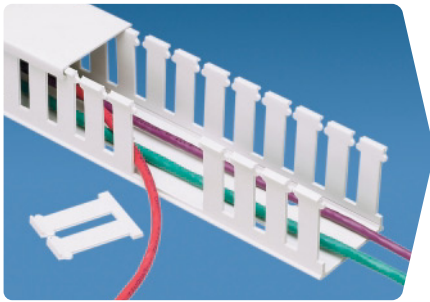
Type NNC Halogen Free Metric Wiring Duct



NEW!

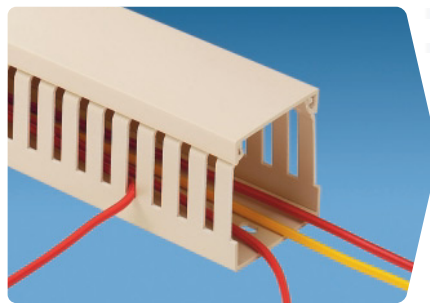
- Halogen free material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronic equipment
- UL94V-0

Type NE *NORYL** Halogen Free Wiring Duct



- Halogen free material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronic equipment
- UL94V-1

Type TMC Low Smoke/Low Toxicity Wiring Duct



NEW!

- Low smoke/Low toxicity material emits a low level of toxic fumes and low smoke emissions when burned
- Meets Federal Rail Administration Guidelines and NFPA 130 requirements for all transit vehicles
- UL94V-0

Special Environment

Data & Voice

Tools & Accessories

Technical Info

Index



LOW FLAMMABILITY
UL94V-0

The material is self-extinguishing and has excellent flame retardancy UL94V-0.



LOW SMOKE
ASTM E 662

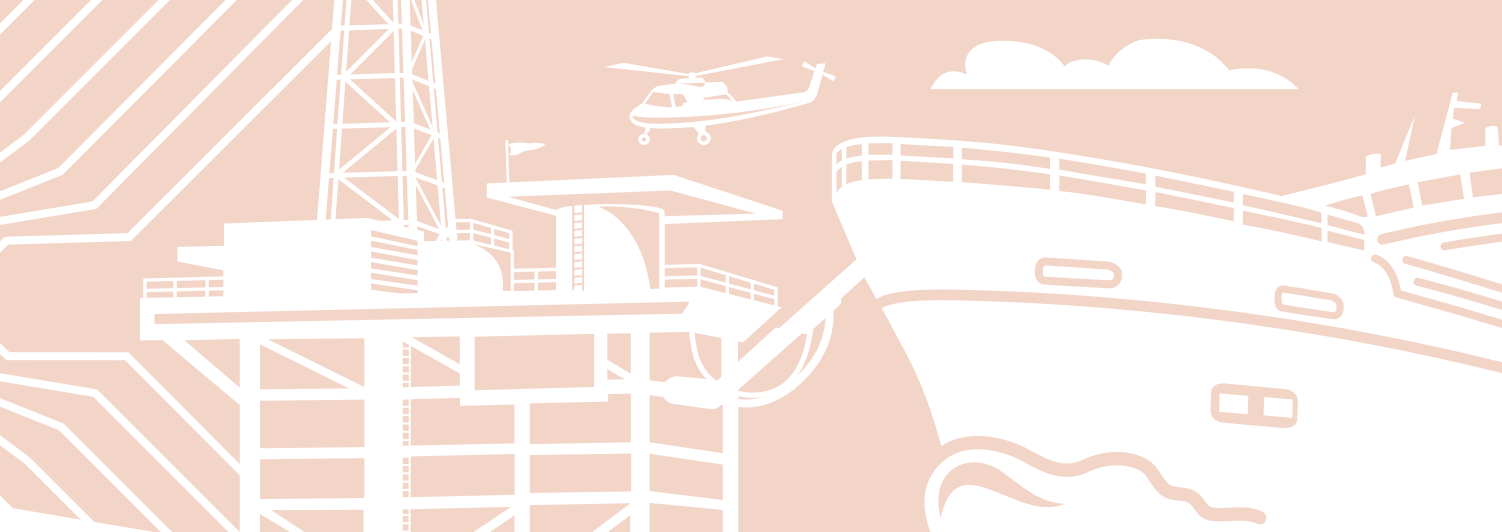
The material does not release dense smoke when burned per ASTM E662 test method.



LOW TOXICITY
BSS-7239
ATS 1000.01

The material does not emit a high volume of toxic gases when burned per Boeing and Airbus test methods.

*NORYL is a registered trademark of General Electric Company.



Overview

Control Panel

Special Environment

Data & Voice

Tools & Accessories

Technical Info

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Environment/Material Specifications

Typical Applications

PAGES **C4/C5**



LOW FLAMMABILITY
UL94V-0



HALOGEN FREE
IEC 60754-2



ELEVATED
TEMPERATURE

Semiconductor Manufacturing
Ship Building
Nuclear Power Plants
Oil Platforms

Environment/Material Specifications

Typical Applications

PAGES **C6/C7**



HALOGEN FREE
IEC 60754-2



ELEVATED
TEMPERATURE

Semiconductor Manufacturing
Ship Building
Nuclear Power Plants
Oil Platforms

Environment/Material Specifications

Typical Applications

PAGES **C8/C9**



LOW FLAMMABILITY
UL94V-0



LOW SMOKE
ASTM E 662



LOW TOXICITY
BSS-7239
ATS 1000.01



ELEVATED
TEMPERATURE

Passenger Rail Cars
Other Transportation Vehicles



HALOGEN FREE
IEC 60754-2

The material contains no fluorine, bromide or chlorine and will not emit any corrosive or toxic gases when burned per IEC 60754-2 test method.

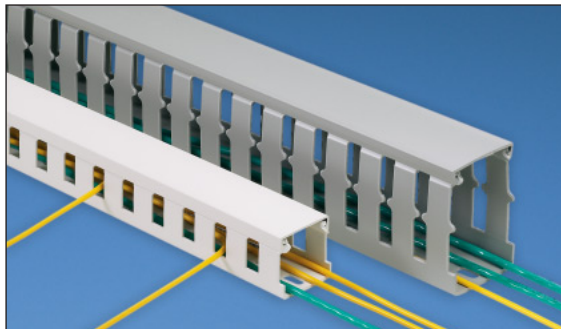


ELEVATED
TEMPERATURE

Material is rated for a continuous use temperature above 75° C (167° F).

Wiring Duct *Special Environments*

NEW! PANDUCT® Type NNC — Halogen Free Metric Wiring Duct

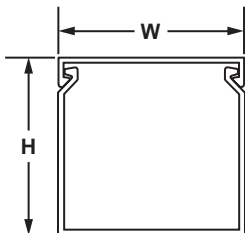


- Made of halogen free material and verified with IEC 60754-2 test method (test on gases evolved during combustion of electric cables)
- UL Recognized continuous use temperature: 95°C (203°F)
- UL94 Flammability Rating of V-0
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with DIN 43 659 mounting holes
- Metric sizing and finger progression
- Duct and cover packaged together in 2 meter lengths



- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 211 temperature classification
- cover removal without tools

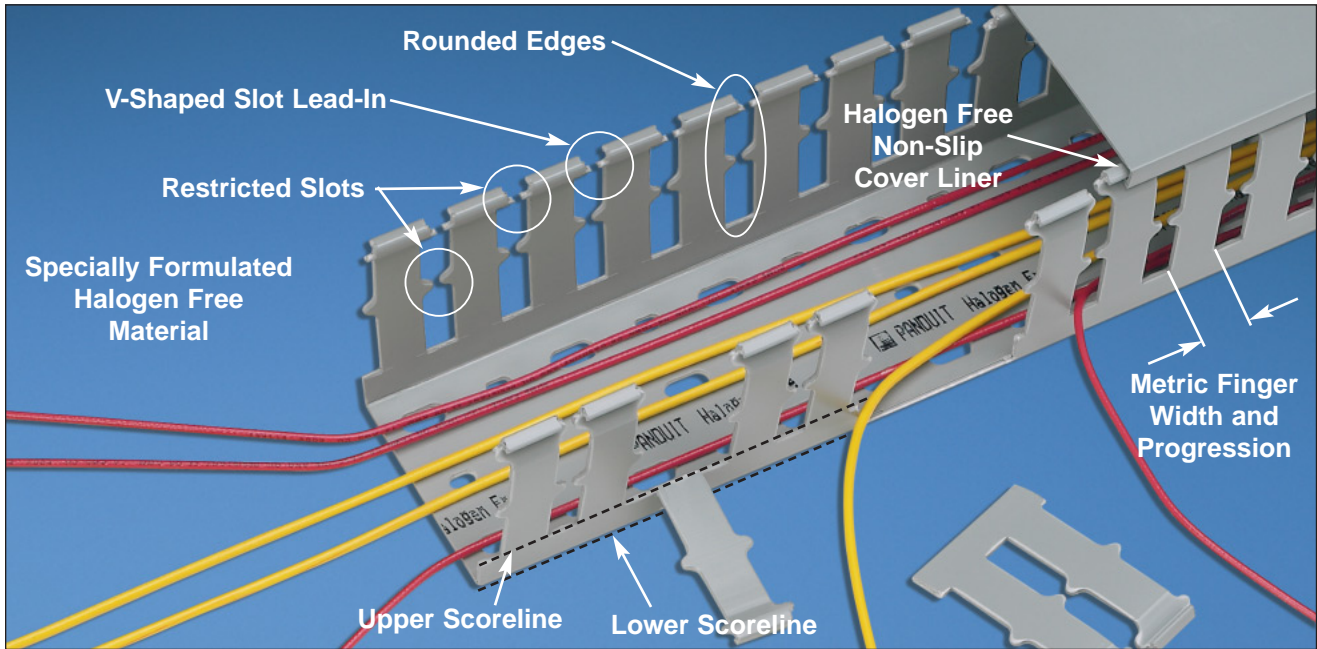
| Part Number | Duct Size WxH | | Replacement Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (M) |
|---------------|---------------|-------------|-------------------------------|---------------------|----------------------|------------|
| | mm | In. | | | | |
| NNC25X25LG2 | 24.6 x 23.6 | .97 x .93 | NC25LG2 | 20 | 20 | 2 |
| NNC25X37LG2 | 24.6 x 35.8 | .97 x 1.41 | | 20 | 20 | |
| NNC25X50LG2 | 24.6 x 47.8 | .97 x 1.88 | | 20 | 20 | |
| NNC25X75LG2 | 24.6 x 72.4 | .97 x 2.85 | | 20 | 20 | |
| NNC37X37LG2 | 37.1 x 35.8 | 1.46 x 1.41 | NC37LG2 | 20 | 20 | 2 |
| NNC37X50LG2 | 37.1 x 47.8 | 1.46 x 1.88 | | 20 | 20 | |
| NNC37X75LG2 | 37.1 x 72.4 | 1.46 x 2.85 | | 20 | 20 | |
| NNC50X50LG2 | 49.5 x 47.8 | 1.95 x 1.88 | NC50LG2 | 20 | 20 | 2 |
| NNC50X75LG2 | 49.5 x 72.4 | 1.95 x 2.85 | | 10 | 20 | |
| NNC50X100LG2 | 49.5 x 97.8 | 1.95 x 3.85 | | 10 | 20 | |
| NNC75X75LG2 | 74.7 x 72.4 | 2.94 x 2.85 | NC75LG2 | 10 | 20 | 2 |
| NNC100X50LG2 | 99.6 x 47.8 | 3.92 x 1.88 | NC100LG2 | 10 | 20 | 2 |
| NNC100X75LG2 | 99.6 x 72.4 | 3.92 x 2.85 | | 10 | 20 | |
| NNC100X100LG2 | 99.6 x 97.8 | 3.92 x 3.85 | | 10 | 20 | |



Available in LG (Light Gray) and WH (White).
Do not allow cutting, tapping or cleaning fluids that contain hydrocarbons to come in contact with Type NNC Wiring Duct as it will cause stress cracking. See [page F15](#) for a list of chemicals to avoid.



| Reference | Page(s) |
|-------------------------|-----------------------------------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F5 |
| Wirefill Guide | F9 |
| Material Specifications | F13 |
| Tools and Accessories | E9, E10, E13, E14 |
| Installation Tips | F15 |



| Features | Advantages | Benefits |
|------------------------------------|--|--|
| Halogen free modified PPO material | Material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronics Greater resistance to heat than PVC | Ideal for application where public safety during a fire is a concern Material is recyclable and suitable for applications requiring eco-friendly materials Suitable for panel applications where high temperatures exist |
| UL94V-0 material flame rating | The V-0 flammability rating exceeds the rating of most other halogen free duct materials | Material is self-extinguishing and exhibits the highest flame retardance meeting more electrical panel applications |
| Halogen free non-slip cover liner | Cover will not slide easily when installed on duct base Co-extruded liner made from halogen free material | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework Liner will not emit corrosive or toxic gases |
| DIN 43 659 mounting hole pattern | Provides the required mounting hole pattern for use in cabinets which are designed to these standards | Meets European standards for use in cabinet applications |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Double scoreline | Upper scoreline at base of finger allows fingers to be broken out without tools Lower scoreline at base of duct allows sidewall sections to be removed | Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost Easier to create tee and corner junctions with full wire carrying capacity |
| V-shaped slot lead-in | V-shape funnels wires into slot for easier insertion | Speeds wire installation |
| Double restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed Second restriction retains cabling within top or bottom portion of slot in larger wiring duct sizes | Eliminates hassle and saves time during installation and maintenance Provides a neat and finished appearance |
| Duct and cover packaged together | Fewer part numbers to stock and manage | Reduced inventory cost |
| Metric size and finger progression | Slot width and pitch may match more closely to components with metric dimensions | Provides a metric sized wiring duct solution for applications that specify metric dimensioning, such as when exporting equipment to European countries |

Overview

Control Panel

Special Environment

Voice & Data

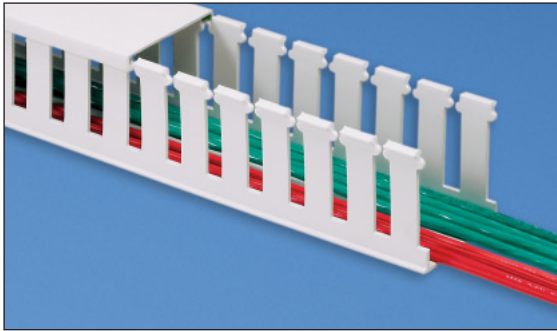
Tools & Accessories

Technical Info

Index

Wiring Duct *Special Environments*

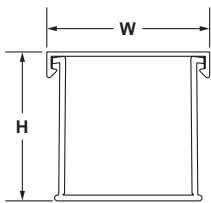
PANDUCT® Type NE — NORYL* Halogen Free Wiring Duct



- Made of halogen free NORYL* material
- UL94 Flammability Rating of V-1
- Provided with mounting holes



- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 211 temperature classification
- cover removal without tools

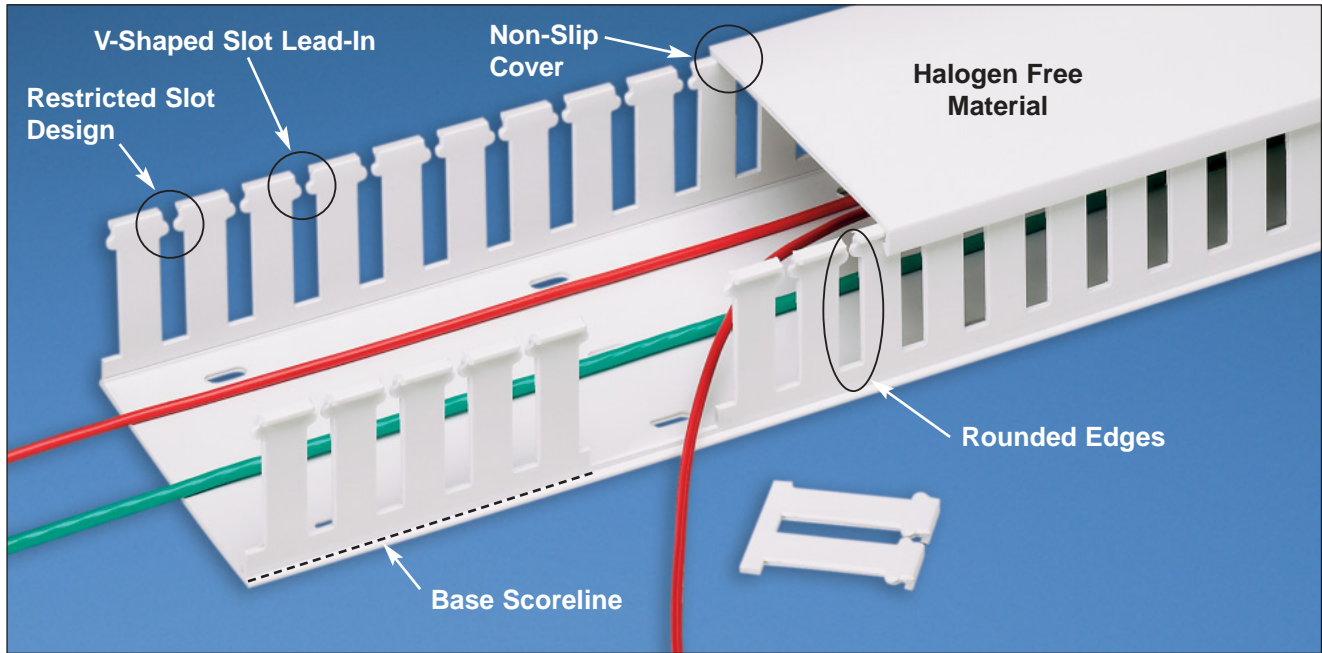


| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|--------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| NE.5X.5WH6 | .63 x .56 | 16.0 x 14.2 | NC.5WH6 | 120 | 120 | 6 |
| NE.5X1WH6 | .63 x 1.06 | 16.0 x 26.9 | | 120 | | |
| NE1X1WH6 | 1.14 x 1.06 | 29.0 x 26.9 | NC1WH6 | 120 | 120 | 6 |
| NE1X1.5WH6 | 1.14 x 1.62 | 29.0 x 41.1 | | 120 | | |
| NE1X2WH6 | 1.14 x 2.06 | 29.0 x 52.3 | | 120 | | |
| NE1X3WH6 | 1.14 x 3.06 | 29.0 x 77.7 | | 120 | | |
| NE1X4WH6 | 1.14 x 4.06 | 29.0 x 103.1 | 60 | | | |
| NE1.5X1.5WH6 | 1.64 x 1.62 | 41.7 x 41.1 | NC1.5WH6 | 120 | 120 | 6 |
| NE1.5X2WH6 | 1.64 x 2.06 | 41.7 x 52.3 | | 120 | | |
| NE1.5X3WH6 | 1.64 x 3.06 | 41.7 x 77.7 | | 120 | | |
| NE1.5X4WH6 | 1.64 x 4.06 | 41.7 x 103.1 | | 60 | | |
| NE2X1WH6 | 2.14 x 1.06 | 54.4 x 26.9 | NC2WH6 | 120 | 120 | 6 |
| NE2X2WH6 | 2.14 x 2.06 | 54.4 x 52.3 | | 120 | | |
| NE2X3WH6 | 2.14 x 3.06 | 54.4 x 77.7 | | 60 | | |
| NE2X4WH6 | 2.14 x 4.06 | 54.4 x 103.1 | | 60 | | |
| NE2.5X3WH6 | 2.64 x 3.06 | 67.1 x 77.7 | NC2.5WH6 | 120 | 120 | 6 |
| NE3X1WH6 | 3.14 x 1.06 | 79.8 x 26.9 | NC3WH6 | 120 | 120 | 6 |
| NE3X2WH6 | 3.14 x 2.06 | 79.8 x 52.3 | | 120 | | |
| NE3X3WH6 | 3.14 x 3.06 | 79.8 x 77.7 | | 60 | | |
| NE3X4WH6 | 3.14 x 4.06 | 79.8 x 103.1 | | 60 | | |
| NE3X5WH6 | 3.14 x 5.06 | 79.8 x 128.5 | | 60 | | |
| NE4X2WH6 | 4.14 x 2.06 | 105.2 x 52.3 | NC4WH6 | 60 | 120 | 6 |
| NE4X3WH6 | 4.14 x 3.06 | 105.2 x 77.7 | | 60 | | |
| NE4X4WH6 | 4.14 x 4.06 | 105.2 x 103.1 | | 60 | | |
| NE4X5WH6 | 4.14 x 5.06 | 105.2 x 128.5 | | 60 | | |

| Reference | Page(s) |
|-------------------------|-----------|
| Color Availability | F14 |
| Adhesive Tape | E12, E13 |
| Dimensions | F6 |
| Wirefill Guide | F10 |
| Material Specifications | F13 |
| Tools and Accessories | Section E |
| Installation Tips | F15 |

Available in WH (White) only.
Do not allow cutting, tapping or cleaning fluids that contain hydrocarbons to come in contact with Type NE Wiring Duct as it will cause stress cracking. See page F15 for a list of chemicals to avoid.

*NORYL is a registered trademark of General Electric Company.

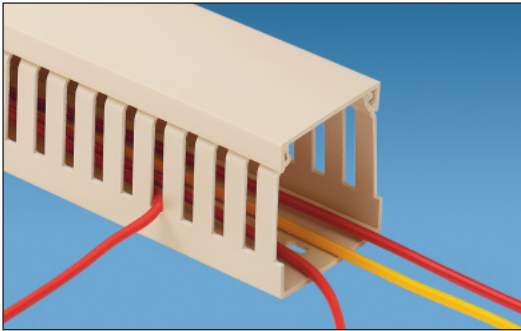


| Features | Advantages | Benefits |
|--|--|---|
| Halogen free <i>NORYL</i> * material | Material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronics Greater resistance to heat than PVC | Ideal for applications where public safety during a fire is a concern Material is recyclable and suitable for applications requiring eco-friendly materials Suitable for panel applications where high temperatures exist |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Base scoreline | Scoreline at base of duct allows sidewall sections to be removed | Easier to create tee and corner junctions with full wire carrying capacity |
| V-shaped slot lead-in | V-shape funnels wires into slot for easier insertion | Speeds wire installation |
| Restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed | Eliminates hassle and saves time during installation and maintenance |

**NORYL* is a registered trademark of General Electric Company.

Wiring Duct *Special Environments*

NEW! PANDUCT® Type TMC — Low Smoke/Low Toxicity Wiring Duct



- Made of low smoke, low toxicity and low flammability material
- UL Recognized continuous use temperature: 80°C (176°F)
- UL94 Flammability Rating of V-0
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with DIN 43 659 mounting holes
- Metric sizing and finger progression
- Duct and cover packaged together in 2 meter lengths

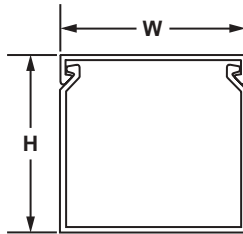


- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools

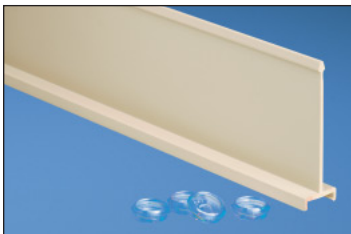
| Part Number | Duct Size W x H | | Replacement Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (M) |
|--------------|-----------------|-------------|-------------------------------|---------------------|----------------------|------------|
| | mm | In. | | | | |
| TMC25X37BR2 | 24.6 x 35.8 | .97 x 1.41 | TC25BR2 | 20 | 20 | 2 |
| TMC37X37BR2 | 37.1 x 35.8 | 1.46 x 1.41 | TC37BR2 | 20 | 20 | 2 |
| TMC50X50BR2 | 49.5 x 48.0 | 1.95 x 1.89 | TC50BR2 | 20 | 20 | 2 |
| TMC75X50BR2 | 74.7 x 48.0 | 2.94 x 1.89 | TC75BR2 | 20 | 20 | 2 |
| TMC75X75BR2 | 74.7 x 73.2 | 2.94 x 2.88 | | 10 | | |
| TMC100X50BR2 | 99.6 x 48.0 | 3.92 x 1.89 | TC100BR2 | 10 | 20 | 2 |
| TMC100X75BR2 | 99.6 x 73.2 | 3.92 x 2.88 | | 10 | | |

Available in BR (Natural Beige) only.

| Reference | Page(s) |
|-------------------------|-----------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F4 |
| Wirefill Guide | F9 |
| Material Specifications | F13 |
| Tools and Accessories | Section E |
| Installation Tips | F15 |



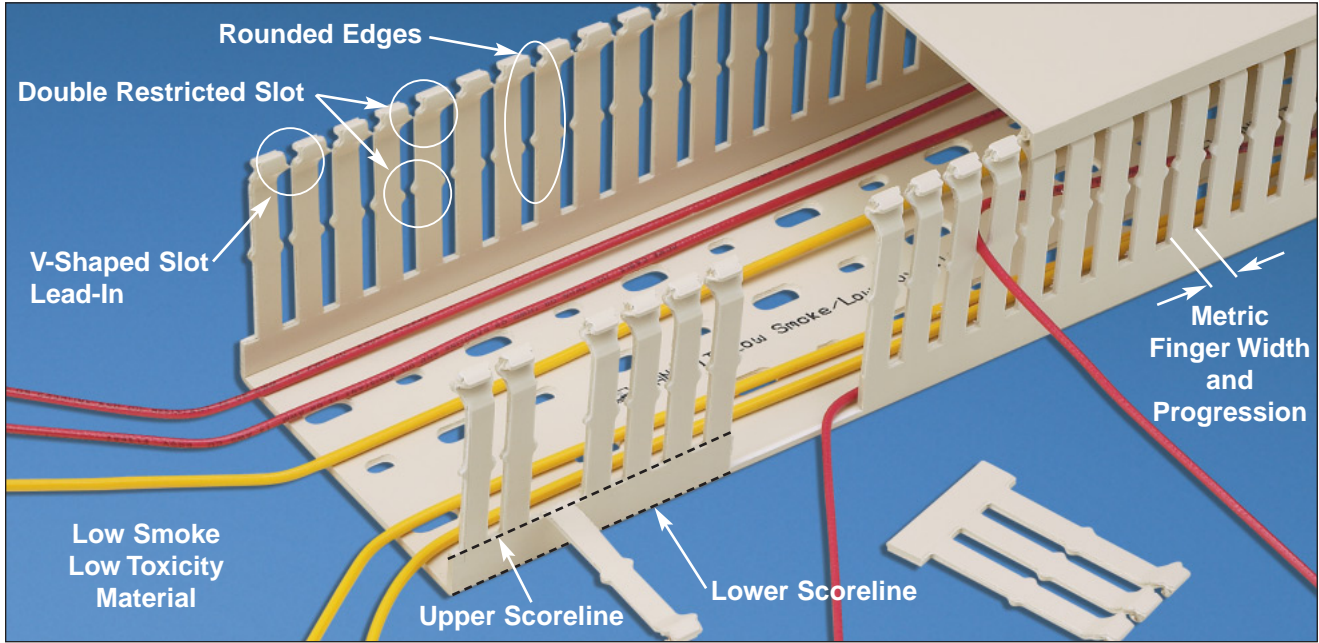
NEW! PANDUCT® Type TMC — Low Smoke / Low Toxicity Solid Divider Wall



- TMC Divider Wall can be mounted inside TMC Wiring Duct to create multiple channels
- Low smoke, low toxicity and low flammability material
- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base (part No. DB-C)

| Part Number | For Nominal Duct Height (mm) | Std. Pkg. Qty. | Std. Ctn. Qty. | Length (M) |
|-------------|------------------------------|----------------|----------------|------------|
| TMC50DW2 | 50 | 2 | 20 | 2 |
| TMC75DW2 | 75 | 2 | 20 | 2 |

NOTE: Must be used with Mounting Base (DB-C) which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.



| Features | Advantages | Benefits |
|--|---|---|
| Low smoke emission material | <p>Low smoke emissions material per ASTM E 662 test method</p> <p>Low smoke emissions result in improved visibility during a fire</p> | <p>Meets the Federal Rail Administration Guidelines and National Fire Protection Agency NFPA 130 standards for Mass Transit OEM applications</p> <p>Passenger safety in the case of a fire</p> |
| Low toxicity material | <p>Material emits a low level of toxic fumes when burned per Boeing BSS 7239 and Airbus ATS 1000.01 test methods</p> <p>Emits low levels of toxic fumes when burned</p> | <p>Meets the low toxicity requirements of many Mass Transit OEM applications</p> <p>Passenger safety in the case of a fire</p> |
| Low flammability material | <p>Zero flame spread per ASTM E 162 test method</p> <p>Material maintains a UL94V-0 flammability rating</p> <p>Excellent fire resistance</p> | <p>Meets the Federal Rail Administration Guidelines and National Fire Protection Agency NFPA 130 standards for Mass Transit OEM applications</p> <p>Material is self-extinguishing and exhibits excellent flame retardance</p> <p>Passenger safety in the case of a fire</p> |
| Lightweight nonmetallic material | <p>Material is 40% lighter than aluminum</p> <p>Easier to handle than metal channel and can be field cut and installed</p> <p>Cuts leave smooth, burr-free edges</p> <p>Nonconductive</p> | <p>Contributes to a reduction in vehicle weight lending to energy savings</p> <p>Reduces installer fatigue and simplifies installation steps leading to a lower installed cost</p> <p>Eliminates need to deburr cut edges simplifying installation and reducing concern of wire abrasion</p> <p>Grounding and bonding of the channel is not required simplifying installation</p> |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | <p>Will not slide easily when installed on duct base</p> | <p>Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework</p> |
| Smooth rounded edges | <p>Exclusive <i>PANDUIT</i>® process rounds the edges in duct slots and at top of duct fingers</p> | <p>Protects hands and wiring/cablings from abrasion</p> |
| Double scoreline | <p>Upper scoreline at base of finger allows fingers to be broken out without tools</p> <p>Lower scoreline at base of duct allows sidewall sections to be removed</p> | <p>Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost</p> <p>Easier to create tee and corner junctions with full wire carrying capacity</p> |

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Wiring Duct *Special Environments*

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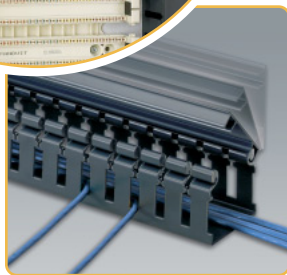
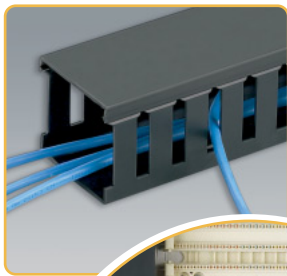
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Wiring Duct for Voice & Data Applications

PANDUIT® offers PANDUCT® Wiring Duct styles specially suited for routing and concealing cabling in communications applications. Applications include wire management for backboard mounted voice, data and video applications, cord management near workstations, use inside communications cabinets and other general purpose applications.



Some of the features and benefits found in PANDUCT® Wiring Duct types for communications applications include:

- Black color to compliment the look of telecommunications racks and hardware
- PANDUIT® exclusive wide slot/wide finger progression and hinging cover provides easy access ideal for frequent moves, adds and changes
- Solid wall raceway completely conceals cabling in applications where frequent breakouts are not required
- Bend radius control accessories for cabling as required in NFPA 79-2002 section 14.1.4.9 and TIA/EIA 568-B and 569-A
- Smooth corners and edges that will not abrade cabling or irritate hands
- UL94 flammability rating of V-0 for excellent flame retardancy



Wiring Duct for Backboard Applications

Overview

Control Panel

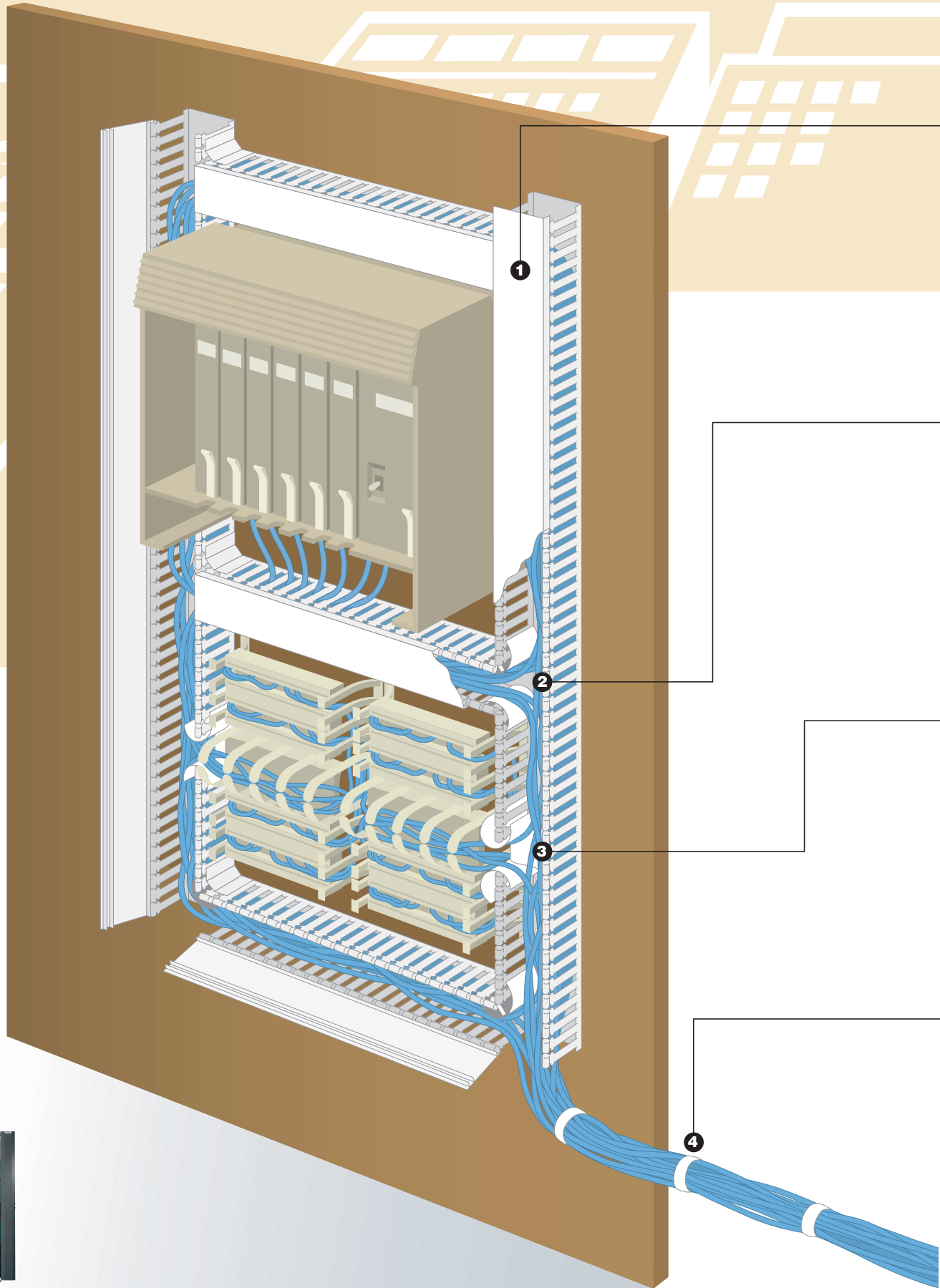
Special Environment

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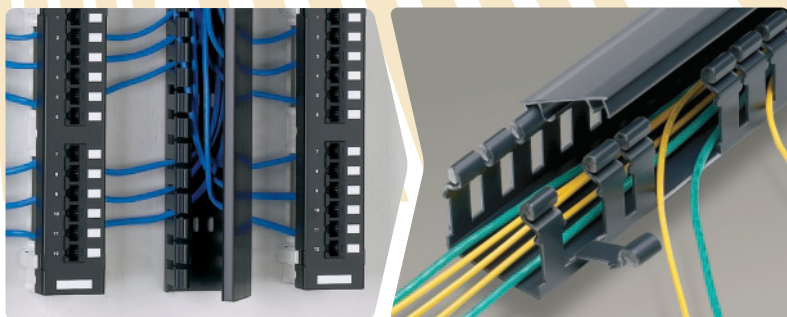
Index



For Cable Management Solutions for Network Racks see [page D14](#).

1 Type H Hinged Cover Wiring Duct

PAGE **D6/D7**



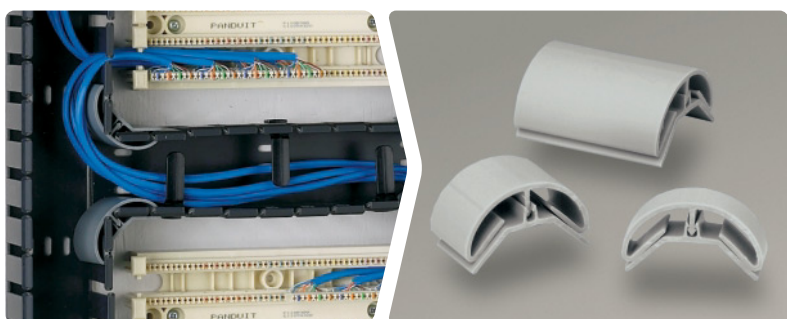
NEW!

Features wide slot/wide finger progression for communications cabling. Provides easy access to cabling for moves, adds and changes.

Control Panel

2 Bend Radius Control Corner Strips

PAGE **D11**



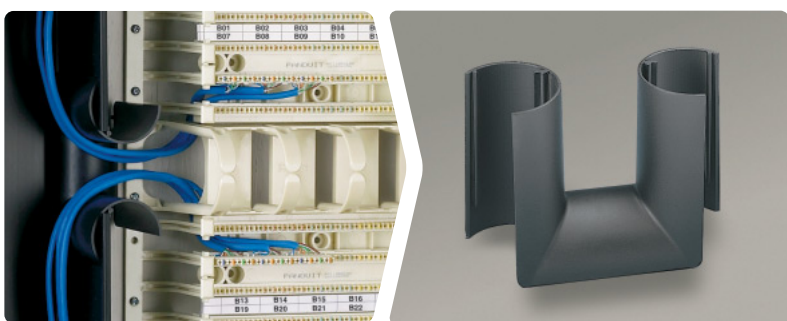
Snap to duct walls at tee intersections and right angles to provide cable protection around corners.

Special Environment

Voice & Data

3 Bend Radius Control Trumpet

PAGE **D11**



Provides a smooth transition from hardware to duct channel.

Tools & Accessories

4 TAK-TAPE™ Hook & Loop Strips

PAGE **D13**



Secure cable bundles entering or exiting the wiring duct. Tape roll allows any size cable bundle to be easily secured.

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Cord Management at the Workstation

Overview

Control Panel

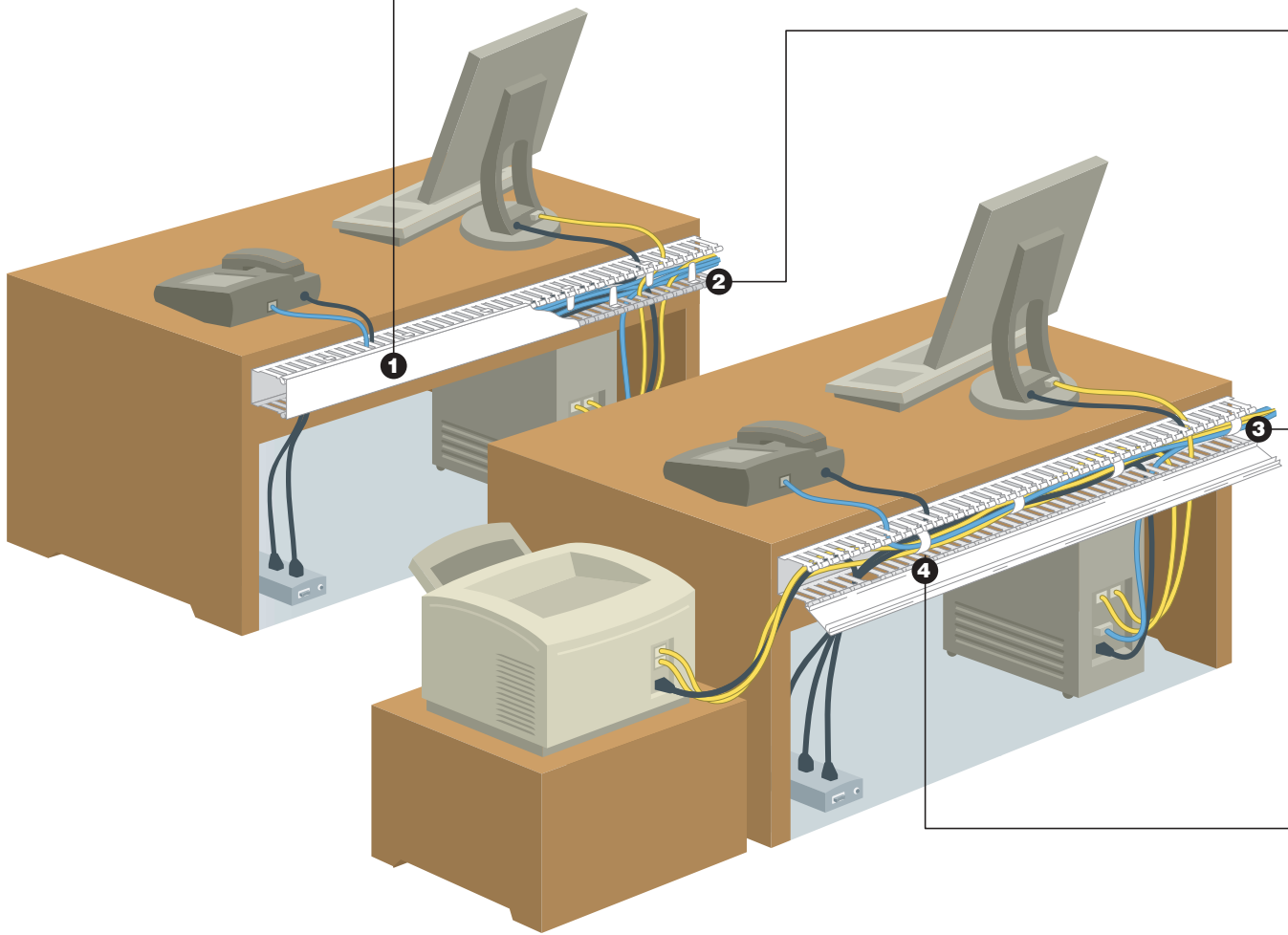
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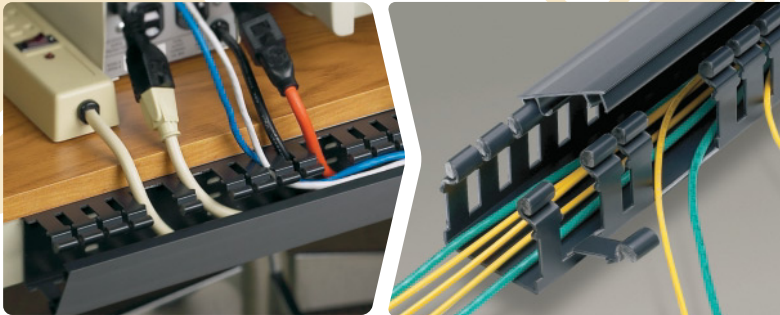
Index



For information on the complete line of PANDUCT® Wiring Duct see [page B1](#)

1 Type H Hinged Cover Wiring Duct

PAGE **D6/D7**

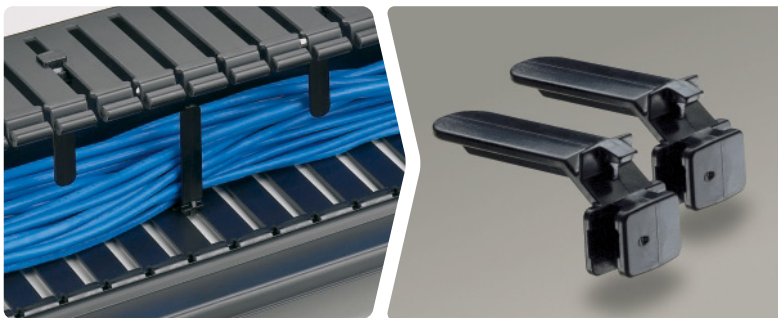


NEW!

Contain cable slack at the workstation. Hinged cover provides easy access to cabling for moves, adds and changes.

2 Wire Retainers

PAGE **D12**



Contain cabling when duct cover is opened. Wire retainers snap easily between duct fingers.

3 ULTRA-CINCH™ Hook & Loop Ties TAK-TY® Hook & Loop Cable Ties

PAGE **D12**

NEW!



Very easy to release and reuse, making them ideal for applications where changes are anticipated or continuous access is required.

4 TAK-TY® Hook & Loop Cable Tie Mounts

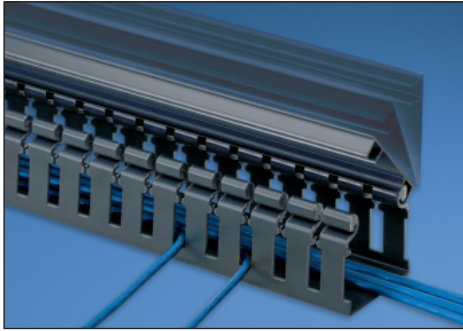
PAGE **D13**



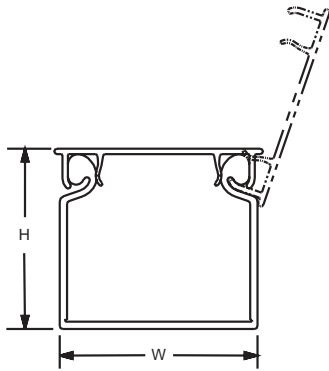
Route and secure sensitive communication cabling without damaging the cable bundles. Optional adhesive backed mounts can be easily mounted within the wiring duct base.

Wiring Duct *Voice & Data*

NEW! PANDUCT® Type H — Hinged Cover Wiring Duct



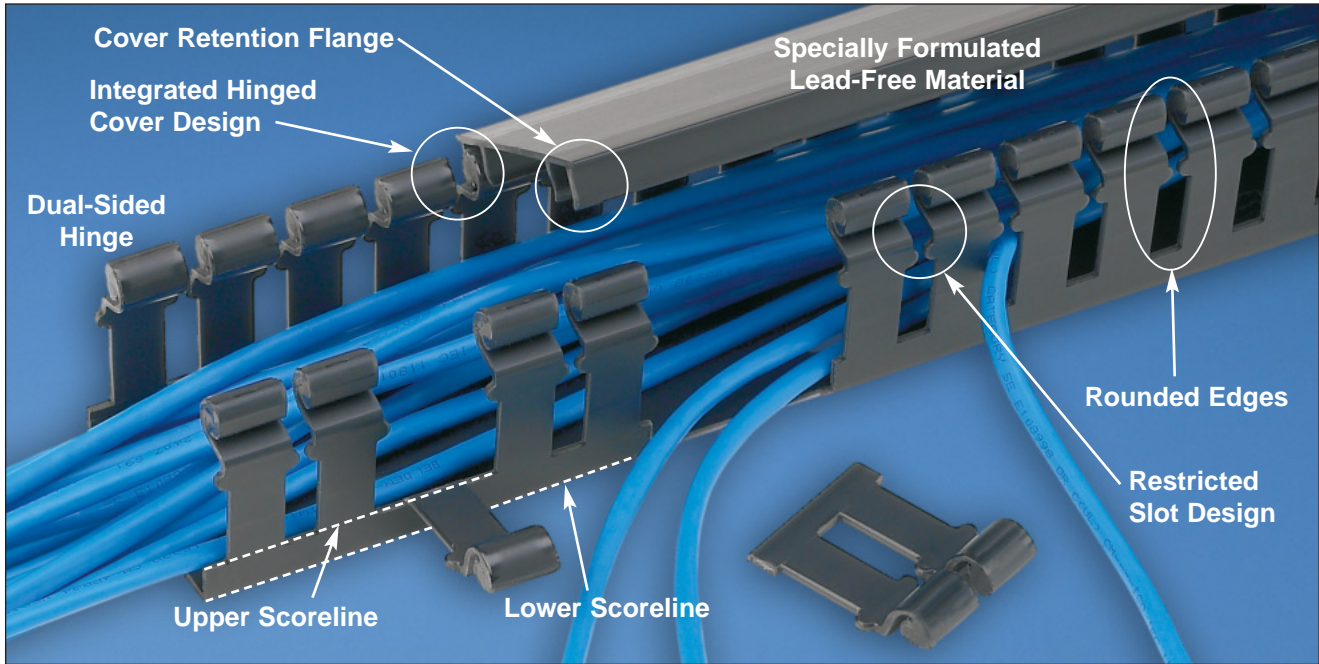
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes



| Part Number | Duct Size WxH | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|-------------|---------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| H1.5X2BL6 | 1.75 x 1.98 | 44.5 x 50.3 | HC1.5BL6 | 120 | 120 | 6 |
| H1.5X3BL6 | 1.75 x 3.06 | 44.5 x 77.7 | HC1.5BL6 | 120 | 120 | 6 |
| H2X2BL6 | 2.17 x 1.98 | 55.1 x 50.3 | HC2BL6 | 120 | 120 | 6 |
| H2X3BL6 | 2.17 x 3.06 | 55.1 x 77.7 | HC2BL6 | 60 | 120 | 6 |
| H2X4BL6 | 2.17 x 4.10 | 55.1 x 104.1 | HC2BL6 | 60 | 120 | 6 |
| H3X3BL6 | 3.25 x 3.06 | 82.6 x 77.7 | HC3BL6 | 60 | 120 | 6 |
| H3X4BL6 | 3.25 x 4.10 | 82.6 x 104.1 | HC3BL6 | 60 | 120 | 6 |
| H4X4BL6 | 4.25 x 4.10 | 108.0 x 104.1 | HC4BL6 | 60 | 60 | 6 |

Available in BL (Black), LG (Light Gray) and WH (White).

| Reference | Page(s) |
|---------------------|----------------------------|
| Color Availability | F14 |
| Adhesive Tape | E12 |
| Dimensions | F7 |
| Wirefill Guide | F9 |
| Material | |
| Specifications | F13 |
| Tools & Accessories | D11, D12, Section E |
| Installation Tips | F15 |



| Features | Advantages | Benefits |
|--------------------------------|---|--|
| Integrated hinged cover design | <i>PANDUIT</i> ® exclusive design provides access to duct channel without the need to completely remove and reinstall the cover | Covers are less likely to be misplaced maintaining a neater appearance to the installation |
| Dual-sided hinge | Cover can hinge open up to 100° from either sidewall of duct base | Provides full access to the channel without the need to remove the cover |
| Cover retention flange | Enables easier cover engagement with the base Engages cover securely with base Allows cover to open and stay in position at any angle | Provides easy snap-on installation Cover stays in place during vibration and when in a vertical orientation, eliminating rework Cover will function and stay open regardless of vertical or horizontal position duct is mounted in |
| Cover removal rib | Provides surface to grip cover | Cover is easy to open or remove |
| Smooth rounded edges | Exclusive <i>PANDUIT</i> ® process rounds the edges in duct slots and at top of duct fingers | Protects hands and wiring/cabling from abrasion |
| Double scoreline | Upper scoreline at base of finger allows fingers to be broken out without tools Lower scoreline at base of duct allows sidewall sections to be removed | Allows quick modification for larger cabling bundles saving installation time leading to a lower installed cost Easier to create tee and corner junctions with full wire carrying capacity |
| Restricted slot design | Once inserted wires are retained in the slot with or without the cover being installed | Eliminates hassle and saves time during installation and maintenance |
| Specially formulated material | Lead-free Provides a smooth burr-free edge when sidewalls or fingers are broken out | Removes health concerns associated with PVC that contains lead Eliminates the need to deburr saving installation time |

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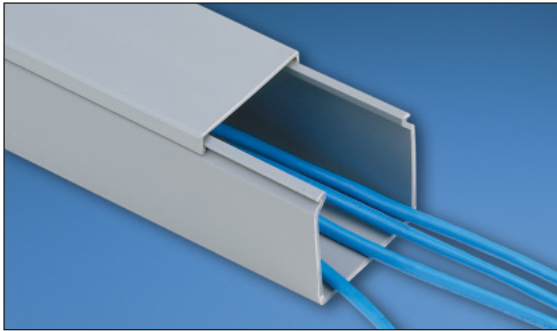
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Wiring Duct *Voice & Data*

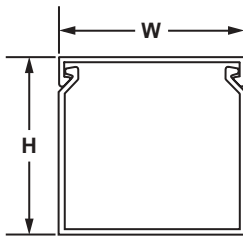
PANDUCT® Type FS — Solid Wall Raceway



- Solid wall design fully encloses cables providing maximum protection and aesthetics
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Supplied without mounting holes



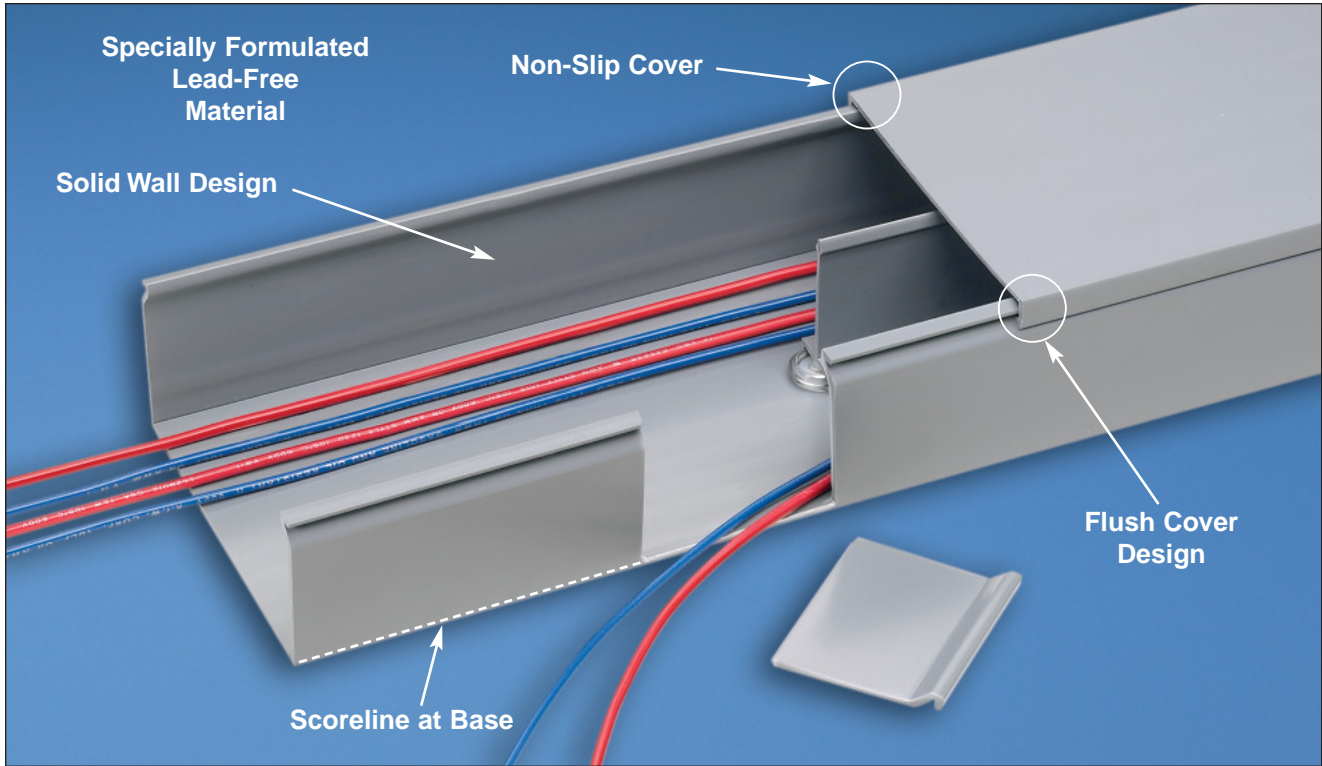
- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools
- IP40 degree of protection



| Reference | Page(s) |
|-------------------------|----------------------------|
| Color Availability | F14 |
| Adhesive Tape | E12, E13 |
| Dimensions | F3 |
| Wirefill Guide | F8 |
| Material Specifications | F13 |
| Tools & Accessories | D11, D12, Section E |
| Installation Tips | F15 |

| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|------------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| > FS.5X.5LG6NM | .69 x .60 | 17.5 x 15.2 | C.5LG6 | 120 | 120 | 6 |
| > FS.5X1LG6NM | .69 x 1.06 | 17.5 x 26.9 | | 120 | | |
| > FS.75X.75LG6NM | .93 x .82 | 23.6 x 20.8 | C.75LG6 | 120 | 120 | 6 |
| > FS1X1LG6NM | 1.26 x 1.12 | 32.0 x 28.4 | C1LG6 | 120 | 120 | 6 |
| > FS1X1.5LG6NM | 1.26 x 1.62 | 32.0 x 41.1 | | 120 | | |
| > FS1X2LG6NM | 1.26 x 2.12 | 32.0 x 53.8 | | 120 | | |
| > FS1X3LG6NM | 1.26 x 3.12 | 32.0 x 79.2 | | 120 | | |
| > FS1X4LG6NM | 1.26 x 4.10 | 32.0 x 104.1 | | 60 | | |
| > FS1.5X1LG6NM | 1.75 x 1.12 | 44.5 x 28.4 | | C1.5LG6 | | |
| > FS1.5X1.5LG6NM | 1.75 x 1.62 | 44.5 x 41.1 | 120 | | | |
| > FS1.5X2LG6NM | 1.75 x 2.12 | 44.5 x 53.8 | 120 | | | |
| > FS1.5X3LG6NM | 1.75 x 3.12 | 44.5 x 79.2 | 120 | | | |
| > FS2X1LG6NM | 2.25 x 1.12 | 57.2 x 28.4 | C2LG6 | | 120 | 120 |
| > FS2X1.5LG6NM | 2.25 x 1.62 | 57.2 x 41.1 | | 120 | | |
| > FS2X2LG6NM | 2.25 x 2.12 | 57.2 x 53.8 | | 120 | | |
| > FS2X3LG6NM | 2.25 x 3.12 | 57.2 x 79.2 | | 60 | | |
| > FS2X4LG6NM | 2.25 x 4.10 | 57.2 x 104.1 | | 60 | | |
| > FS3X1LG6NM | 3.25 x 1.12 | 82.6 x 28.4 | | C3LG6 | 120 | |
| > FS3X2LG6NM | 3.25 x 2.12 | 82.6 x 53.8 | 120 | | | |
| > FS3X3LG6NM | 3.25 x 3.12 | 82.6 x 79.2 | 60 | | | |
| > FS3X4LG6NM | 3.25 x 4.10 | 82.6 x 104.1 | 60 | | | |
| > FS3X5LG6NM | 3.25 x 5.10 | 82.6 x 129.5 | 60 | | | |
| > FS4X2LG6NM | 4.25 x 2.12 | 108.0 x 53.8 | C4LG6 | | 60 | 120 |
| > FS4X3LG6NM | 4.25 x 3.12 | 108.0 x 79.2 | | 60 | | |
| > FS4X4LG6NM | 4.25 x 4.10 | 108.0 x 104.1 | | 60 | | |
| > FS4X5LG6NM | 4.25 x 5.10 | 108.0 x 129.5 | | 60 | | |
| > FS6X4LG6NM | 6.25 x 4.15 | 158.8 x 105.4 | | C6LG6 | 60 | |

>SYMBOL indicates parts available with mounting holes. Remove NM from part number. Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, [page F15](#).



| Features | Advantages | Benefits |
|--|--|---|
| Solid wall design | Fully encloses the cables providing maximum protection | Provides a more aesthetically pleasing solution for applications that do not require frequent cable breakouts |
| Flush cover design | Greater capacity than traditional duct designs Cover sits flush with sidewall | Can potentially use a smaller size wiring duct for same number of wires Provides a neat and finished appearance |
| Base scoreline | Scoreline at base of duct allows sidewall sections to be removed | Easier to create tee and corner junctions with full wire carrying capacity |
| Non-slip cover (co-extruded non-slip liner inside duct covers) | Will not slide easily when installed on duct base | Cover stays in place during shipment, vibration and when in a vertical orientation, eliminating rework |
| Specially formulated material | Lead-free Provides a smooth burr-free edge when sidewalls are broken out | Eliminates health concerns associated with PVC that contains lead Eliminates the need to deburr saving installation time |

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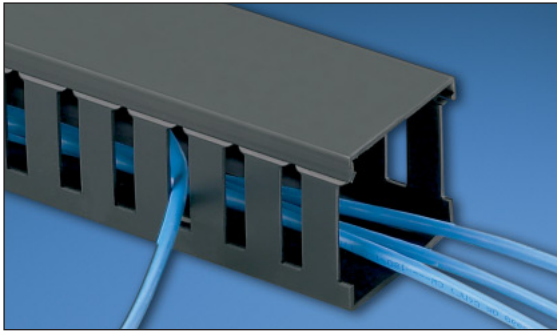
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Wiring Duct *Voice & Data*

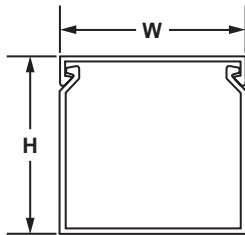
PANDUCT® Type G — Wide Slot Wiring Duct



- Wide selection of sizes available in black color to compliment the look of telecommunications racks and hardware
- Made of rigid PVC
- UL Recognized continuous use temperature: 50°C (122°F)
- UL94 Flammability Rating of V-0
- Provided with mounting holes
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material



- nonmetallic, non-flame propagating CDS
- medium impact resistance
- 331 temperature classification
- cover removal without tools

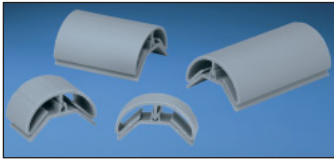
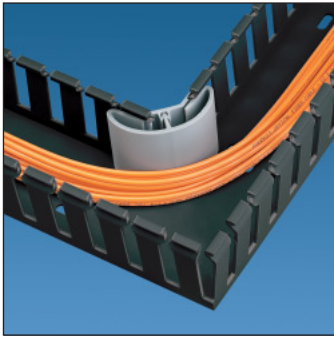


| Reference | Page(s) |
|-------------------------|----------------------------|
| Color Availability | F14 |
| Adhesive Tape | E12, E13 |
| Dimensions | F2 |
| Wirefill Guide | F8 |
| Material Specifications | F13 |
| Tools & Accessories | D11, D12, Section E |
| Installation Tips | F15 |

| Part Number | Duct Size W x H | | Cover Part Number | Duct Std. Ctn. Qty. | Cover Std. Ctn. Qty. | Length (ft) |
|--------------------|-----------------|---------------|-------------------|---------------------|----------------------|-------------|
| | In. | mm | | | | |
| G.75X2BL6 | .93 x 2.03 | 23.6 x 51.6 | C.75BL6 | 120 | 120 | 6 |
| G1X1BL6 | 1.26 x 1.12 | 32.0 x 28.4 | C1BL6 | 120 | 120 | 6 |
| G1X1.5BL6 | 1.26 x 1.62 | 32.0 x 41.1 | | 120 | | |
| G1X2BL6 | 1.26 x 2.12 | 32.0 x 53.8 | | 120 | | |
| G1X3BL6 | 1.26 x 3.12 | 32.0 x 79.2 | | 120 | | |
| G1X4BL6 | 1.26 x 4.10 | 32.0 x 104.1 | 60 | | | |
| G1.5X1.5BL6 | 1.75 x 1.62 | 44.5 x 41.1 | C1.5BL6 | 120 | 120 | 6 |
| G1.5X2BL6 | 1.75 x 2.12 | 44.5 x 53.8 | | 120 | | |
| G1.5X3BL6 | 1.75 x 3.12 | 44.5 x 79.2 | | 120 | | |
| G1.5X4BL6 | 1.75 x 4.10 | 44.5 x 104.1 | | 60 | | |
| G2X1BL6 | 2.25 x 1.12 | 57.2 x 28.4 | C2BL6 | 120 | 120 | 6 |
| G2X2BL6 | 2.25 x 2.12 | 57.2 x 53.8 | | 120 | | |
| G2X3BL6 | 2.25 x 3.12 | 57.2 x 79.2 | | 60 | | |
| G2X4BL6 | 2.25 x 4.10 | 57.2 x 104.1 | | 60 | | |
| G2.5X3BL6 | 2.75 x 3.12 | 69.9 x 79.2 | C2.5BL6 | 120 | 120 | 6 |
| G3X2BL6 | 3.25 x 2.12 | 82.6 x 53.8 | C3BL6 | 120 | 120 | 6 |
| G3X3BL6 | 3.25 x 3.12 | 82.6 x 79.2 | | 60 | | |
| G3X4BL6 | 3.25 x 4.10 | 82.6 x 104.1 | | 60 | | |
| G4X2BL6 | 4.25 x 2.12 | 108.0 x 53.8 | | 60 | | |
| G4X3BL6 | 4.25 x 3.12 | 108.0 x 79.2 | C4BL6 | 60 | 120 | 6 |
| G4X4BL6 | 4.25 x 4.10 | 108.0 x 104.1 | | 60 | | |
| G4X5BL6 | 4.25 x 5.10 | 108.0 x 129.5 | | 60 | | |

Part Number shown for BL (Black). For other color availability see Color Selection Guide, [page F14](#).

PANDUCT® Duct Corner Strip with 1" Bend Radius Control



- Creates a strong rigid corner at wiring duct junctions
- Provides bend radius protection for cabling as required in NFPA 79-2002 section 14.1.4.9 and TIA/EIA 568-B and 569-A
- Available in five pre-cut sizes and 6' lengths that can be cut-to-size to meet any size requirement
- Easy to install two-piece design
- Compatible with all styles of PANDUIT® Wiring Duct
- Made of PVC material

| Part Number | Part Description | For Duct Height | | Color | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|-----------------|----|-------|----------------|----------------|
| | | In. | mm | | | |

6 Foot Lengths for use with all Types of PVC Wiring Duct*

| | | | | | | |
|----------------|--|--------------------------------|--------------------------------|------------|---|-----|
| CSC1LG6 | Cut-to-size 6 foot corner strip with a 1" bend radius. | All sizes (Cut to duct height) | All sizes (Cut to duct height) | Light Gray | 6 | 120 |
| CSC1WH6 | | | | White | 6 | 120 |
| CSC1BL6 | | | | Black | 6 | 120 |

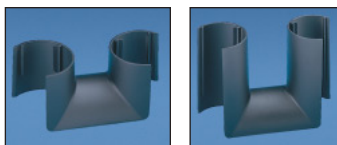
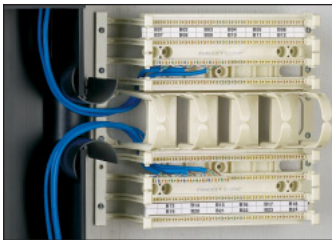
Pre-Cut Pieces for use with all Types of PVC Wiring Duct^

| | | | | | | |
|--------------------|--|------|-------|------------|----|-----|
| CSPC1LG-Q | 1" bend radius corner strip pre-cut for 1" wall height. | 1.00 | 25.4 | Light Gray | 25 | 250 |
| CSPC1.5LG-Q | 1" bend radius corner strip pre-cut for 1.5" wall height (2.0" Type H Duct). | 1.50 | 38.1 | Light Gray | 25 | 250 |
| CSPC2LG-Q | 1" bend radius corner strip pre-cut for 2" wall height. | 2.00 | 50.8 | Light Gray | 25 | 250 |
| CSPC3LG-Q | 1" bend radius corner strip pre-cut for 3" wall height. | 3.00 | 76.2 | Light Gray | 25 | 250 |
| CSPC4LG-Q | 1" bend radius corner strip pre-cut for 4" wall height (4.0" Type H Duct). | 4.00 | 101.6 | Light Gray | 25 | 250 |

*Order number of feet required, in multiples of 6' or Standard Package Quantity.

^Order number of pieces required in multiples of Standard Package Quantity. Pre-cut pieces available in LG (Light Gray) only.

Bend Radius Control Trumpet



TRC2BL

TRC4BL



TRC2HDBL

- Provides method to transition cabling from wall mounted hardware to wiring duct channel
- Provides bend radius protection for cabling as required in NFPA 79-2002 section 14.1.4.9 and TIA/EIA 568-B and 569-A
- Made of ABS material

| Part Number | Part Description | For Duct Height | | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-----------------|---|-----------------|-------|----------------|----------------|
| | | In. | mm | | |
| TRC2BL | Bend radius control trumpet for exiting at the sidewall of 2" wall heights of Type G or Type FS Wiring Duct channels. | 2.00 | 50.8 | 1 | 10 |
| TRC4BL | Bend radius control trumpet for exiting at the sidewall of 4" wall heights of Type G or Type FS Wiring Duct channels. | 4.00 | 101.6 | 1 | 10 |
| TRC2HDBL | Bend radius control trumpet for exiting at the sidewall of 2" wall heights of Type H Hinged Cover Wiring Duct channels. | 2.00 | 50.8 | 1 | 10 |

Order number of pieces required in multiples of Standard Package Quantity. Available in BL (Black) only.

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Wiring Duct *Voice & Data*

TAK-TY® Hook & Loop Cable Ties



- Releasable and reusable hundreds of times
- No risk of over-tensioning and damaging high performance cabling
- No installation tool needed
- Operating temperature range: 0 to 220°F
- Several styles (HLS, HLM, HLT, and HLC) available to suit a variety of applications
- Select styles (HLSP and HLTP) are UL Listed for use in air handling space applications per NEC Section 300-22 (C) and (D)



| Part Number | Part Description | Max. Bundle Diameter | | Min. Loop Tensile Str. (Lbs.) | Length (In.) | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|----------------------|----|-------------------------------|--------------|----------------|----------------|
| | | In. | mm | | | | |

15' & 75' Rolls — Can be cut to desired length, eliminating waste

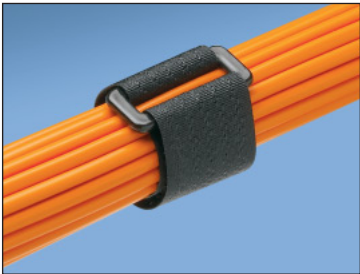
| | | | | | | | |
|----------|--|---------|---------|----|-------|---|----|
| HLS-15R0 | 15' roll, .75" width, Standard, Black. | Various | Various | 50 | 180.0 | 1 | 10 |
| HLS-75R0 | 75' roll, .75" width, Standard, Black. | Various | Various | 50 | 900.0 | 1 | 10 |

Loop Ties — Slot allows for pre-wrapping of bundles

| | | | | | | | |
|----------|--|------|----|----|------|----|-----|
| HLT3I-X0 | Loop tie, 12.0" length, .50" width, Intermediate, Black. | 3.18 | 81 | 40 | 12.0 | 10 | 100 |
|----------|--|------|----|----|------|----|-----|

All styles may be used with ABMT mounts on [page D13](#).
Minimum 2" overlap required to achieve loop tensile rating.

NEW! ULTRA-CINCH™ Hook & Loop Ties



- Innovative product with hooks and loops on the same side to secure a greater range of bundle diameters, including smaller bundles
- Low profile cinch ring reduces overall bundle size
- Sturdy brass grommet (UGCTC/UGCTE styles) resists pull-out, and allows cable bundles to be securely fastened to surfaces
- PANDUIT® recommends flat-head screws for use in grommet applications



| Part Number | Part Description | Max. Bundle Diameter | | Min. Loop Tensile Str. (Lbs.) | Length (In.) | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|--|----------------------|-----|-------------------------------|--------------|----------------|----------------|
| | | In. | mm | | | | |
| UCT3S-X0 | Cinch tie, 12" length, .85" width, Standard, Black. | 3.00 | 76 | 50 | 12.0 | 10 | 100 |
| UCT5S-X0 | Cinch tie, 18" length, .85" width, Standard, Black. | 5.00 | 127 | 50 | 18.0 | 10 | 100 |
| UGCTE3S-X0 | Cinch tie w/end mount grommet, 12" length, .85" width, Standard, Black. | 3.00 | 76 | 50 | 12.0 | 10 | 100 |
| UGCTC5S-X0 | Cinch tie w/center mount grommet, 18" length, .85" width, Standard, Black. | 5.00 | 127 | 50 | 18.0 | 10 | 100 |

All styles may be used with ABMT mounts on [page D13](#).
Minimum 2" overlap required to achieve loop tensile rating.

TAK-TAPE™ Hook & Loop Strips



- Thin and flexible to quickly wrap around bundle
- Adjustable, releasable and reusable
- Large continuous roll you can cut to size with Telco snips, scissors or PANDUIT® cutter (included with TTS-35RX0 only)
- Wide (3/4") black strap spreads out bundling forces over large area



| Part Number | Part Description | Max. Bundle Diameter | | Min. Loop Tensile Str. (Lbs.) | Length (ft) | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|---|----------------------|---------|-------------------------------|-------------|----------------|----------------|
| | | In. | mm | | | | |
| TTS-20R0 | 20' roll, .75" width, Standard, Black, Reusable case. | Various | Various | 40 | 20 | 1 | 10 |
| TTS-35RX0 | 35' rolls, .75" width, Standard, Black, 10-Pack (shrink-wrapped). | Various | Various | 40 | 35 | 1 | 10 |

All styles may be used with ABMT mounts shown below
Minimum 2" overlap required to achieve loop tensile rating

TAK-TY® Hook & Loop Cable Tie Mounts



- Used with PANDUIT® cable ties for a complete wire routing solution
- Adhesive backing allows routing of wires and cables where mounting holes cannot be drilled
- Tear tab provides fast and easy liner removal to speed installation
- For indoor use

| Part Number | Material | Color | Height | | Length | | Width | | Max. Static Load | | Mounting Method | Used With Cable Ties | Std. Pkg. Qty. |
|-------------|-----------|---------|--------|-----|--------|------|-------|------|------------------|------|-----------------|--------------------------------|----------------|
| | | | In. | mm | In. | mm | In. | mm | g | Lbs. | | | |
| ABMT-A-C | Nylon 6.6 | Natural | .34 | 8.4 | 1.10 | 28.7 | 1.10 | 28.6 | 174 | .38 | Rubber Adhesive | TAK-TY® Hook & Loop Cable Ties | 100 |
| ABMT-A-C20 | Nylon 6.6 | Black | .34 | 8.4 | 1.10 | 28.7 | 1.10 | 28.6 | 174 | .38 | Rubber Adhesive | TAK-TY® Hook & Loop Cable Ties | 100 |
| ABMT-S6-C | Nylon 6.6 | Natural | .34 | 8.4 | 1.10 | 28.7 | 1.10 | 28.6 | — | — | #6 (M3) Screw | TAK-TY® Hook & Loop Cable Ties | 100 |
| ABMT-S6-C20 | Nylon 6.6 | Black | .34 | 8.4 | 1.10 | 28.7 | 1.10 | 28.6 | — | — | #6 (M3) Screw | TAK-TY® Hook & Loop Cable Ties | 100 |

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Wiring Duct *Voice & Data*

Cable Management Solutions for Network Racks

STANDARD Cable Management Rack System The Standard in Cable Management

Features horizontal and vertical cable managers that help organize and manage cable routing

- Slotted duct organizes and manages cables for simple moves, adds and changes
- Cable pass through holes facilitate routing of cable from front to rear
- Patented wire retainers hold cable in place during cable installation and maintenance



NETFRAME® Cable Management Rack System The Modular Rack Solution

Designed to support heavy equipment and network cabling in telecommunication rooms

- UL listed for 1500 lbs. load rating to accommodate large networking equipment
- Deep vertical channel design provides distribution cable pathway
- Multiple vertical cable management options are simple to install and allow user to configure system to their preferences



PATCHRUNNER™ Vertical Cable Management Rack System Maximum Density Minimum Floor Space

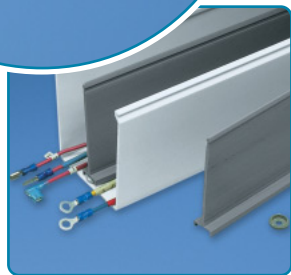
Designed to manage high density cabling while minimizing the area required for the network layout

- Curved cable manager fingers support patch cords as they transition to vertical pathway, eliminating need for horizontal cable managers
- Integral bend radius control on each cable management finger reduces cable kinks and snags that can harm network performance
- Finger spacing aligns with rack spaces simplifying cable routing
- Slack cable management spools organize patch cord lengths
- Angled modular patch panel promotes proper bend radius control



For additional information on these and other networking product solutions, request catalog SA-NCCB04.

PANDUIT® offers a selection of PANDUCT® Tools and Accessories to aid cutting, modifying and installing wiring duct.



Some of the features and benefits found in *PANDUCT®* Tools and Accessories include:

- Wide selection of hand tools for cutting and installing wiring duct
- Snap-in wire retainers to retain cabling when the cover is removed, or during cable installation
- Divider walls that mount within the duct enabling multiple channels to be created within a duct channel
- Corner strips hold corners rigid at tee junctions in control panel applications
- Joining strips to connect two sections of duct and hold the walls rigid
- Mounting clips provide an alternative method to mount the duct and allow the duct to be more easily removed

Wiring Duct Accessories for Control Panel Applications

Overview

Control Panel

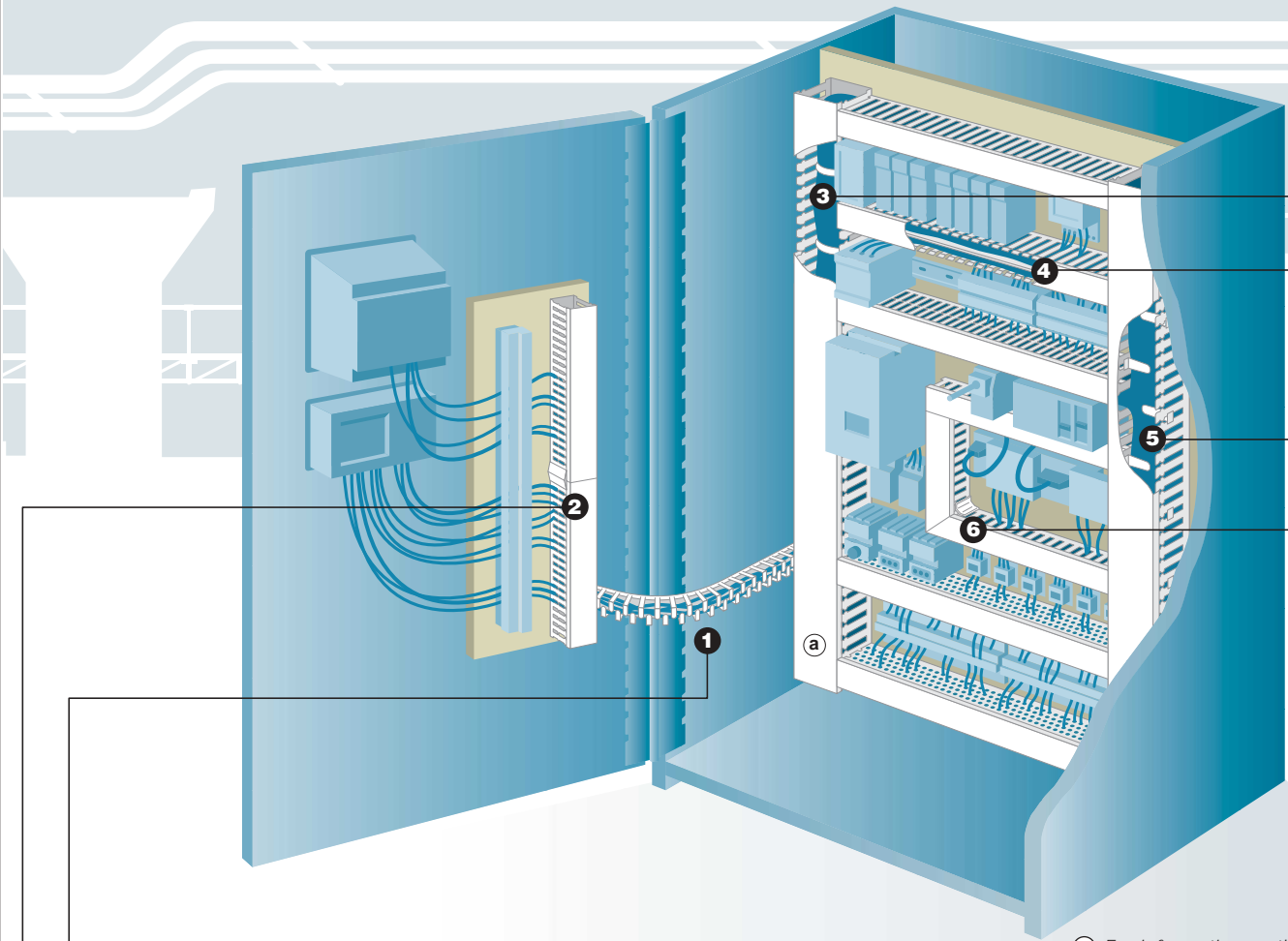
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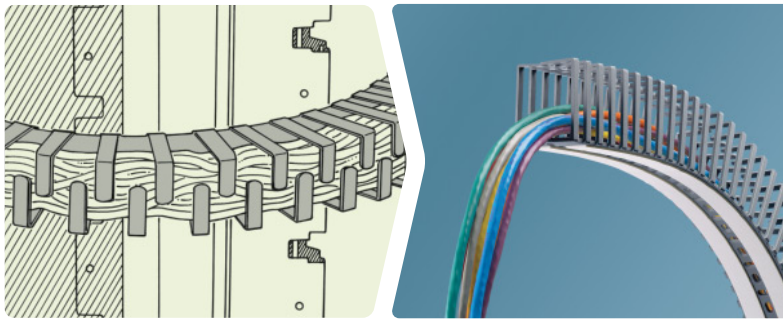
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a For information on the complete line of PANDUCT® Wiring Duct see [page B1](#)

1 Flexible Wiring Duct

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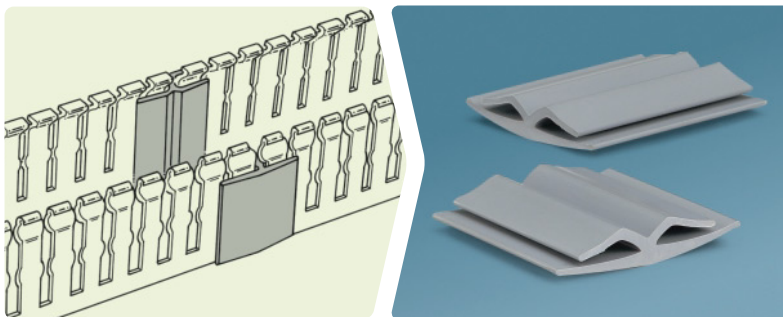


NEW!

Flexible one-piece design routes cabling from the panel interior over a hinge to devices on the panel door surface. Adhesive backed.

2 Joining Strips

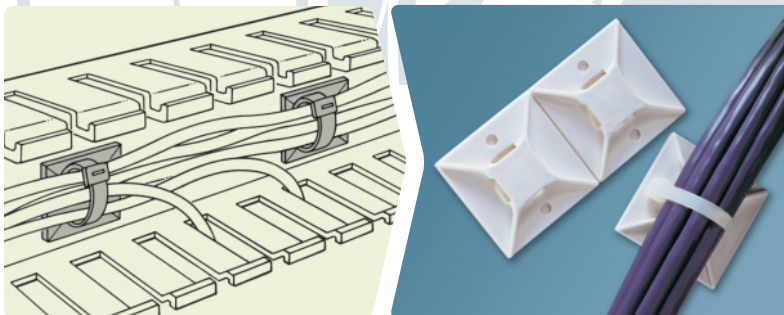
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Attach to sections of duct to cover the seam and provide added rigidity to the channel.

3 Cable Ties and Mounts

PAGE E11

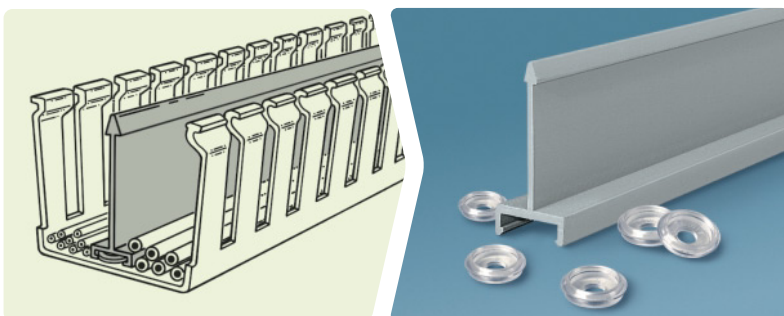


Use *PANDUIT*® mounts and cable ties to retain cable bundles within the wiring duct channel.

Control Panel

4 Divider Wall

PAGE E5



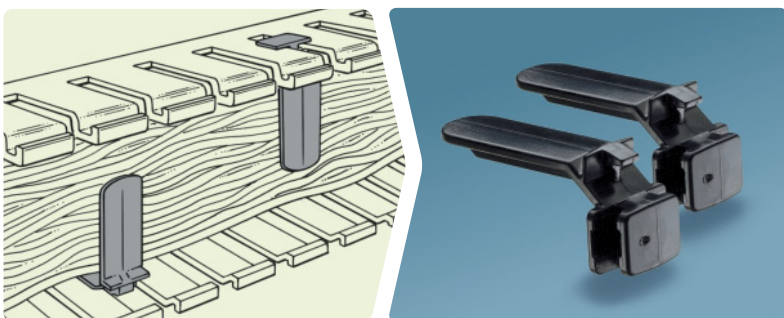
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.

Special Environment

Voice & Data

5 Wire Retainers

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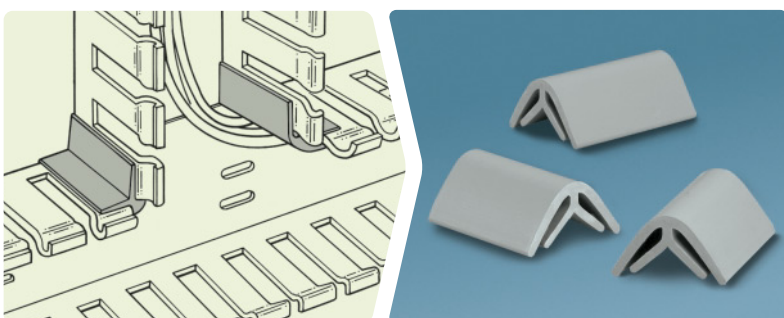


Install between the duct fingers to retain cabling when cover is removed. Adjustable along finger length to retain large or small wire bundles.

Tools & Accessories

6 Corner Strips

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Create a rigid corner at tee junctions and right angles.

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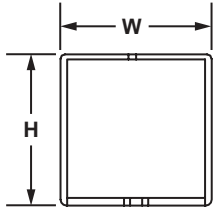
Wiring Duct *Tools & Accessories*

NEW! PANDUCT® Type FL — Flexible Wiring Duct



Specifications

- Flexible polypropylene material
- UL Recognized continuous use temperatures up to 65°C (149°F)
- UL94 Flammability Rating of V-2
- Factory applied adhesive tape provided for easy mounting

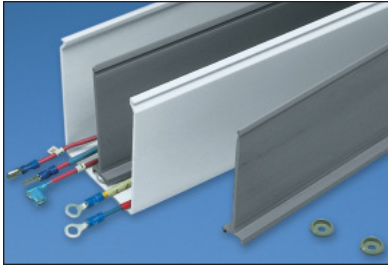


| Part Number | Duct Size WxH | | Duct Std. Ctn. Qty. | Length (mm) |
|-------------|---------------|-------------|---------------------|-------------|
| | mm | In. | | |
| FL12X12LG-A | 12.5 x 12.5 | .49 x .49 | 112 | 500 |
| FL25X25LG-A | 25.0 x 25.0 | .98 x .98 | 70 | |
| FL50X50LG-A | 50.0 x 50.0 | 1.97 x 1.97 | 32 | |

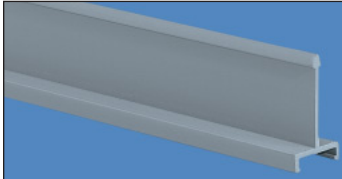
Available in LG (RAL 7040 Light Gray) color only.

| Features | Advantages | Benefits |
|----------------|---|---|
| Flexible | Can be positioned at extreme angles, around corners and over door hinges | Can be used in applications requiring flexibility where conventional wiring duct cannot |
| Fully enclosed | Wrap-around fingers eliminate the need for a cover | Provides method to retain cables while reducing number of parts needed to stock |
| Offset fingers | Allows wires to be fed in easily from the top and allows wire lead-in from both sides of the duct | Reduces installation time compared to designs with overlapping fingers |

PANDUCT® Divider Wall



- Wiring duct divider wall can be mounted inside any type of PANDUIT® PVC wiring duct to create multiple channels
- Simply install the divider wall base when mounting the duct and snap the divider wall onto the mounting base accessory (see page E6)
- All versions snap onto DB-C mounting base
- Divider wall heights 2" and greater have a scoreline feature allowing sections to be removed leaving a smooth edge
- Meets UL508/508A insulation material requirement for barrier between conductors



| Part Number | For Nominal Duct Height (In.) | Std. Pkg. Qty. | Std. Ctn. Qty. | Length (ft) |
|-------------|-------------------------------|----------------|----------------|-------------|
|-------------|-------------------------------|----------------|----------------|-------------|

Solid Divider Wall for use with all Types of PVC Wiring Duct

| | | | | |
|--------|------|---|-----|---|
| D1H6 | 1.00 | 6 | 120 | 6 |
| D1.5H6 | 1.50 | 6 | 120 | 6 |
| D2H6 | 2.00 | 6 | 120 | 6 |
| D3H6 | 3.00 | 6 | 120 | 6 |
| D4H6 | 4.00 | 6 | 120 | 6 |



Slotted Divider Wall for use with all Types of PVC Wiring Duct

| | | | | |
|-------|------|---|-----|---|
| SD2H6 | 2.00 | 6 | 120 | 6 |
| SD3H6 | 3.00 | 6 | 120 | 6 |
| SD4H6 | 4.00 | 6 | 120 | 6 |

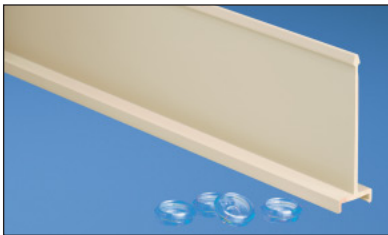
| Part Number | For Nominal Duct Height (mm) | Std. Pkg. Qty. | Std. Ctn. Qty. | Length (M) |
|-------------|------------------------------|----------------|----------------|------------|
|-------------|------------------------------|----------------|----------------|------------|

Metric Solid Divider Wall for use with Type MC Duct

| | | | | |
|--------|-----|---|----|---|
| D50H2 | 50 | 2 | 40 | 2 |
| D75H2 | 75 | 2 | 40 | 2 |
| D100H2 | 100 | 2 | 40 | 2 |

NOTE: Must be used with Mounting Base (DB-C) which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.

NEW! PANDUCT® Type TMC Low Smoke/Low Toxicity Solid Divider Wall



- TMC Divider Wall can be mounted inside TMC Wiring Duct to create multiple channels
- Low smoke, low toxicity and low flammability material
- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base (part No. DB-C)

| Part Number | For Nominal Duct Height (mm) | Std. Pkg. Qty. | Std. Ctn. Qty. | Length (M) |
|-------------|------------------------------|----------------|----------------|------------|
| TMC50DW2 | 50 | 2 | 20 | 2 |
| TMC75DW2 | 75 | 2 | 20 | 2 |

NOTE: Must be used with Mounting Base (DB-C) which is sold separately. Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.

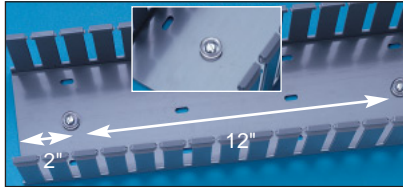
Wiring Duct *Tools & Accessories*

PANDUCT® Mounting Base - Type G, F, FS, D & TMC Wiring Duct

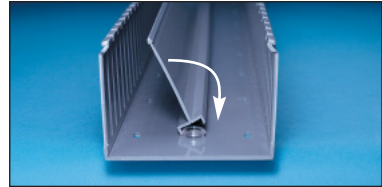


- Installed when mounting duct
- Acts as a shroud around the screw to protect wires from abrasion

| Part Number | Part Description | Used with Anchors | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|---------------------------------|----------------|----------------|
| DB-C | Mounting base. | PANDUIT® NR1 or #8 or #10 screw | 100 | 1000 |

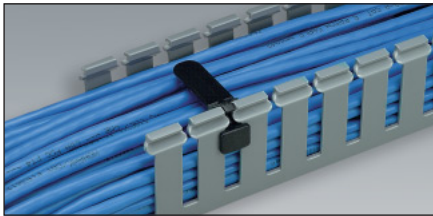


Installing Base —
Install mounting bases to the duct channel, locate within 2" of each divider wall end and at least every 12" along the length.



Installing Divider Wall —
Snap the divider wall to the mounting bases already installed.

PANDUCT® Type G and Type H Wiring Duct Wire Retainers

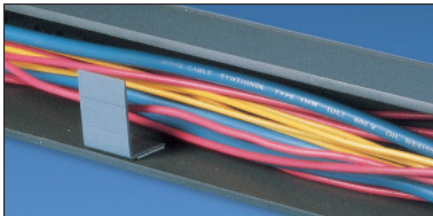


- Inserts between fingers of Type G and Type H Wiring Duct to contain wiring when cover is removed
- Adjustable height
- Made of ABS material

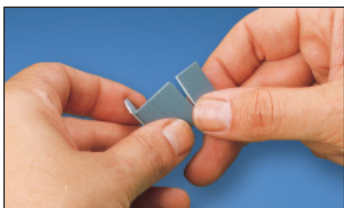


| Part Number | For Duct Width In. (mm) | For Duct Height In. (mm) | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|---------------------------------|---------------------------------|----------------|----------------|
| WR2-C | 2.00 (50.8) | 2.00 - 4.00 (50.8 - 101.6) | 100 | 1000 |
| WR3-C | 3.00 (76.2) | 2.00 - 4.00 (50.8 - 101.6) | 100 | 1000 |
| WR4-C | 4.00 (101.6) | 2.00 - 4.00 (50.8 - 101.6) | 100 | 1000 |
| WR5-C | Use with: 3 x 5, 4 x 5 or 6 x 4 | Use with: 3 x 5, 4 x 5 or 6 x 4 | 100 | 1000 |

PANDUCT® Solid Wall Raceway Type FS and Type D Wiring Duct Wire Retainer



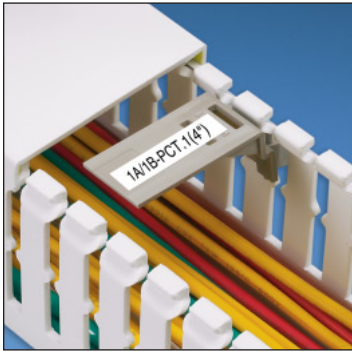
- Mounts onto walls of Type FS Raceway or Type D Wiring Duct with pressure sensitive adhesive
- One size fits three different duct widths
- Full length is used with 2" wide duct; for small widths, break off segments at scorelines
- Made of lead-free PVC material



Break off segment

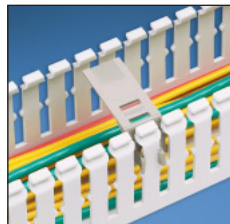
| Part Number | For Duct Width In. (mm) | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|---|----------------|----------------|
| WRS-A-C10 | 1.00 (25.4) 1.50 (38.1) 2.00 (50.8) | 100 | 1000 |

PANDUCT® Type F, MC & TMC Wiring Duct Wire Retainers/Labeling Device

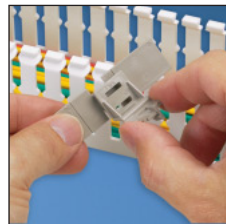


- For use with Type F, MC and TMC Duct to contain wiring when cover is removed
- FWR-C works with all Type F Duct sizes
- FMWR-C works with all Type MC and TMC sizes
- Made of rigid PVC material

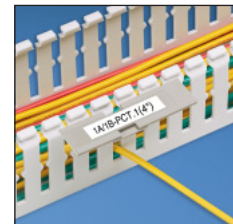
| Part Number | For Duct Width | | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|----------------|----------|----------------|----------------|
| | In. | mm | | |
| FWR-C | 1.50 - 4.00 | — | 100 | 1000 |
| FMWR-C | — | 37 - 100 | 100 | 1000 |



Wire Retainer —
Snaps onto duct fingers. Full length for use with 4" wide duct. For smaller widths, break off segments at scorelines.



Labeling Outside Duct —
Break off the last segment from wire retainer below (1.5" mark) and snap onto the back of the remaining segment. Install label & mount between fingers facing outward.



F, MC and TMC Duct Wire Retainers/Labeling Device can be labeled using laser/ink jet computer printable label C188X030FJJ. For more information on label C188X030FJJ and other PANDUIT® Identification and Labeling Solutions, contact PANDUIT® Customer Service and request the PAN-CODE® Identification and Labeling Solutions catalog, SA-101N315C-ID.

Permanent Marking Pens



- Fast drying permanent ink
- Can be used with write-on labels shown above

| Part Number | Part Description | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|--|----------------|----------------|
| PX-0 | Permanent marking pen, Regular tip, Black ink. | 12 | 144 |
| PX-2 | Permanent marking pen, Regular tip, Red ink. | 12 | 144 |
| PFX-0 | Permanent marking pen, Fine tip, Black ink. | 12 | 144 |
| PFX-2 | Permanent marking pen, Fine tip, Red ink. | 12 | 144 |

The TIA/EIA-606-A standard states that all labels shall be mechanically generated. Write-on labels are not standard compliant.

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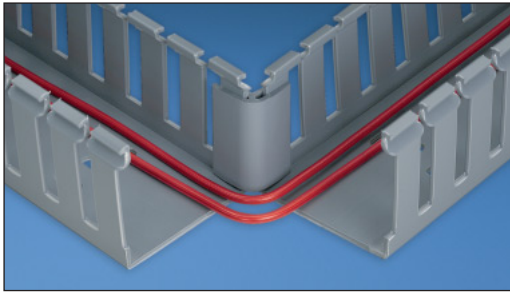
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Wiring Duct *Tools & Accessories*

PANDUCT® Duct Corner Strips



- Slides onto duct at corner or tee junctions for smooth, round corners
- Available in five pre-cut sizes and six-foot lengths that can be cut-to-size to meet any size requirement
- Easy to install one-piece design
- Compatible with all styles of PANDUIT® Wiring Duct
- Made of rigid PVC material



| Part Number | Part Description | For Duct Height | | Color | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|-----------------|----|-------|----------------|----------------|
| | | In. | mm | | | |

6 Foot Lengths for use with all Types of PVC Wiring Duct

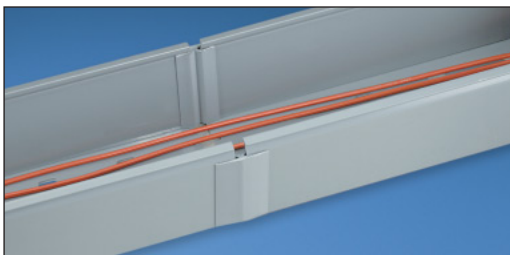
| | | | | | | |
|---------------|--|-------------|-------------|------------|---|-----|
| CS1LG6 | 6 foot length is cut by user to fit duct height. | Cut-to-size | Cut-to-size | Light Gray | 6 | 120 |
|---------------|--|-------------|-------------|------------|---|-----|

Pre-Cut Pieces for use with all Types of PVC Wiring Duct

| | | | | | | |
|-------------------|---------------------------------|------|-------|------------|----|-----|
| CSP1LG-Q | Pre-cut pieces are cut to size. | 1.00 | 25.4 | Light Gray | 25 | 250 |
| CSP1.5LG-Q | | 1.50 | 38.1 | Light Gray | 25 | 250 |
| CSP2LG-Q | | 2.00 | 50.8 | Light Gray | 25 | 250 |
| CSP3LG-Q | | 3.00 | 76.2 | Light Gray | 25 | 250 |
| CSP4LG-Q | | 4.00 | 101.6 | Light Gray | 25 | 250 |

Pre-cut pieces available in LG (Light Gray) only.

PANDUCT® Duct Joining Strips



- Slides onto duct to join sections together
- Available in four pre-cut sizes and six-foot lengths that can be cut-to-size to meet any size requirement
- Easy to install one-piece design
- Compatible with all styles of PANDUIT® Wiring Duct
- Made of rigid PVC material



| Part Number | Part Description | For Duct Height | | Color | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|------------------|-----------------|----|-------|----------------|----------------|
| | | In. | mm | | | |

6 Foot Lengths for use with all Types of PVC Wiring Duct

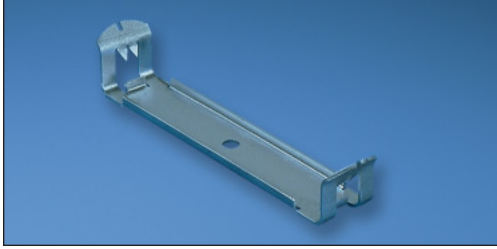
| | | | | | | |
|----------------|--|-------------|-------------|------------|---|-----|
| DJS1LG6 | 6 foot length is cut by user to fit duct height. | Cut to size | Cut to size | Light Gray | 6 | 120 |
| DJS1WH6 | | | | White | | |

Pre-Cut Pieces for use with all Types of PVC Wiring Duct

| | | | | | | |
|--------------------|---------------------------------|------|-------|------------|----|-----|
| DJSP1.5LG-Q | Pre-cut pieces are cut to size. | 1.50 | 38.1 | Light Gray | 25 | 250 |
| DJSP2LG-Q | | 2.00 | 50.8 | Light Gray | 25 | 250 |
| DJSP3LG-Q | | 3.00 | 76.2 | Light Gray | 25 | 250 |
| DJSP4LG-Q | | 4.00 | 101.6 | Light Gray | 25 | 250 |

Pre-cut pieces available in LG (Light Gray) only.

PANDUCT® Snap-Clip Mounting Bracket — Type G, F, FS, D, MC, NNC & TMC Wiring Duct



- Duct easily snaps into bracket
- No mounting holes required in duct
- Ensures no metal is inside the duct
- Snap-clip spacing is not critical
- Simplifies fabrication drawings and panel layout

| Part Number | Screw Required | For Duct Width | | Std. Pkg. Qty. | Std. Ctn. Qty. |
|---|-----------------------------|----------------|-------|----------------|----------------|
| | | In. | mm | | |
| Snap-Clip Mounting Bracket for use with Types G, F, FS & D Duct | | | | | |
| S1F-C | #8-32 x 1/4 (Provided) | 1.00 | 25.4 | 100 | 1000 |
| S1.5F-C | #8-32 x 1/4 (Provided) | 1.50 | 38.1 | 100 | 1000 |
| S2F-C | #8-32 x 1/4 (Provided) | 2.00 | 50.8 | 100 | 1000 |
| S3F-C | #8-32 x 1/4 (Provided) | 3.00 | 76.2 | 100 | 1000 |
| S4F-C | #8-32 x 1/4 (Provided) | 4.00 | 101.6 | 100 | 1000 |
| Snap-Clip Mounting Bracket for use with Types MC, NNC & TMC Duct | | | | | |
| SNS25F-C | #8-32 x 1/4 (User Supplied) | 1.00 | 25.4 | 100 | 1000 |
| SNS37F-C | #8-32 x 1/4 (User Supplied) | 1.50 | 38.1 | 100 | 1000 |
| SNS50F-C | #8-32 x 1/4 (User Supplied) | 2.00 | 50.8 | 100 | 1000 |
| SNS62F-C | #8-32 x 1/4 (User Supplied) | 3.00 | 76.2 | 100 | 1000 |

PANDUCT® Snap-Clip Mounting Bracket — Type NE Wiring Duct



- Duct easily snaps into bracket
- Ensures no metal is inside the duct
- Mounts anywhere along the length of the duct for easy installation
- Simplifies fabrication drawings and panel layout

| Part Number | Screw Required | For Duct Width | | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|-----------------------------|----------------|------|----------------|----------------|
| | | In. | mm | | |
| SNS.5-C | #6-32 x 1/4 (User Supplied) | .50 | 12.7 | 100 | 1000 |
| SNS.75-C | #6-32 x 1/4 (User Supplied) | .75 | 19.1 | 100 | 1000 |
| SNS1-C | #8-32 x 1/4 (User Supplied) | 1.00 | 25.4 | 100 | 1000 |
| SNS1.5-C | #8-32 x 1/4 (User Supplied) | 1.50 | 38.1 | 100 | 1000 |
| SNS2-C | #8-32 x 1/4 (User Supplied) | 2.00 | 50.8 | 100 | 1000 |
| SNS3-C | #8-32 x 1/4 (User Supplied) | 3.00 | 76.2 | 100 | 1000 |

Overview

Control Panel

Special Environment

Voice & Data

Tools & Accessories

Technical Info

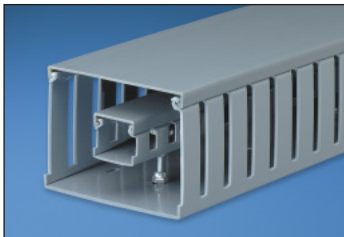
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Wiring Duct *Tools & Accessories*

PANDUCT® Stud Type Fasteners — For All Duct/Raceway Types



- Secures cover in place during shipping or extreme vibration
- Provides tamper resistance
- Fits into the standard mounting holes available on duct —
NOTE: .200" (5mm) hole must be drilled in the cover to accommodate the fastener



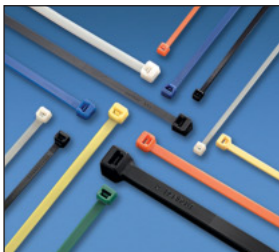
Can also be used to mount a smaller size duct within larger duct to create a completely separate channel within a channel

| Part Number | Part Description | Thread size | For Duct Height | | Std. Pkg. Qty. |
|-------------|---|---------------------------|-----------------|-------|----------------|
| | | | In. | mm | |
| F1-C | Corrosion resistant steel stud with fastener. | 10/24 threads on each end | 1.00 | 25.4 | 100 |
| F2-C | Corrosion resistant steel stud with fastener. | 10/24 threads on each end | 2.00 | 50.8 | 100 |
| F3-C | Corrosion resistant steel stud with fastener. | 10/24 threads on each end | 3.00 | 76.2 | 100 |
| F4-C | Corrosion resistant steel stud with fastener. | 10/24 threads on each end | 4.00 | 101.6 | 100 |

PAN-TY® Cable Ties



- Versatile cable ties that can be used in countless applications
- One piece construction for consistent performance and reliability
- High strength and low thread force
- Curved tip makes it easier to pick up from flat surfaces, allows faster initial threading and speeds installation
- Tie bundle diameters up to 13" (330mm) or join together for larger diameters
- Material: Natural Nylon 6.6



| Part Number | Length | | Maximum Bundle Diameter | | Cross Section | Std. Pkg. Qty. | Std. Ctn. Qty. |
|-------------|--------|-----|-------------------------|-----|---------------|----------------|----------------|
| | In. | mm | In. | mm | | | |
| PLT1M-C | 4.0 | 99 | .87 | 22 | Miniature | 100 | 1000 |
| PLT2I-C | 8.0 | 203 | 2.00 | 51 | Intermediate | 100 | 1000 |
| PLT3I-C | 12.0 | 290 | 3.00 | 76 | Intermediate | 100 | 1000 |
| PLT2S-C | 8.0 | 188 | 1.88 | 48 | Standard | 100 | 1000 |
| PLT3S-C | 12.0 | 292 | 3.00 | 76 | Standard | 100 | 1000 |
| PLT4S-C | 15.0 | 368 | 4.00 | 102 | Standard | 100 | 1000 |

4-Way Adhesive Backed Mounts



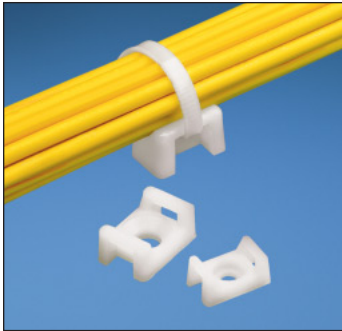
- Superior adhesive for long term reliability
- 2-up mount configuration speeds liner removal and installation
- 4-way cable tie entry makes part orientation fast and easy
- Adhesive backing allows routing of wires and cables where mounting holes cannot be drilled
- Used with *PANDUIT*® cable ties for a complete wire routing solution
- For indoor use



| Part Number | Material | Color | Height | | Length | | Width | | Adhesive Type | Max. Static Load | | Mounting Method | Used With Cable Ties‡ | Std. Pkg. Qty. |
|-------------|-----------|-------|--------|-----|--------|------|-------|------|---------------|------------------|-----|-----------------|-----------------------|----------------|
| | | | In. | mm | In. | mm | In. | mm | | Lbs. | g | | | |
| ABMM-A-C | ABS | White | .18 | 4.6 | .75 | 19.1 | .75 | 19.1 | Rubber | .30 | 136 | Adhesive Backed | M, I | 100 |
| ABM2S-A-C | ABS | White | .20 | 5.1 | 1.00 | 25.4 | 1.00 | 25.4 | Rubber | .50 | 227 | Adhesive Backed | M, I, S | 100 |
| ABM112-A-C | Nylon 6.6 | White | .16 | 4.2 | 1.12 | 28.6 | 1.12 | 28.6 | Rubber | .63 | 286 | Adhesive Backed | M, I, S | 100 |

‡ Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature *TAK-TY*® Hook & Loop Ties.

Tie Mounts — Mechanically Applied



- Install with a screw or rivet for a strong, secure installation
- Available in multiple sizes for a variety of applications
- Unique cradle design provides maximum stability for cable bundle
- Used with *PANDUIT*® cable ties for a complete wire routing solution
- For indoor use

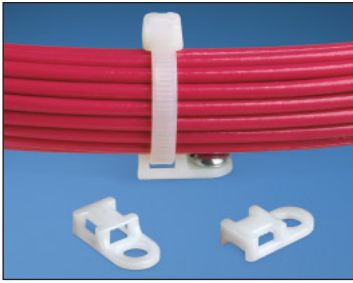
| Part Number | Material | Color | Height | | Length | | Width | | Mounting Method | Used With Cable Ties‡ | Std. Pkg. Qty. |
|-------------|-----------|---------|--------|-----|--------|------|-------|------|-----------------|-----------------------|----------------|
| | | | In. | mm | In. | mm | In. | mm | | | |
| TM2S8-C | Nylon 6.6 | Natural | .28 | 7.0 | .63 | 16.1 | .43 | 10.8 | #8 (M4) Screw | M, I, S | 100 |
| TM3S8-C | Nylon 6.6 | Natural | .38 | 9.5 | .88 | 22.2 | .62 | 15.8 | #8 (M4) Screw | M, I, S, LH | 100 |

‡ Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature *TAK-TY*® Hook & Loop Ties.



Wiring Duct *Tools & Accessories*

Tie Anchor Mounts — Screw Applied



- 4-way cable tie entry makes part orientation fast and easy
- Install with a screw or rivet for a strong, secure installation
- Small overall size allows use where space is limited
- Used with *PANDUIT*® cable ties for a complete wire routing solution
- For indoor use



| Part Number | Material | Color | Height | | Length | | Width | | Hole Diameter | | Mounting Method | Used With Cable Ties‡ | Std. Pkg. Qty. |
|-------------|-----------|---------|--------|-----|--------|-----|-------|------|---------------|-----|-----------------|-----------------------|----------------|
| | | | In. | mm | In. | mm | In. | mm | In. | mm | | | |
| TA1S8-C | Nylon 6.6 | Natural | .20 | 5.0 | .38 | 9.5 | .75 | 19.1 | .170 | 4.3 | #8 (M4) Screw | M, I, S | 100 |

‡ Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature TAK-TY® Hook & Loop Ties.

Low Profile Mounts — Screw Applied



- Install with a screw or rivet for a strong, secure installation
- Counter sunk screw hole will not damage the wire bundle
- Small overall size allows use where space is limited
- Used with *PANDUIT*® cable ties for a complete wire routing solution
- For indoor use



| Part Number | Material | Color | Height | | Length | | Width | | Hole Diameter | | Mounting Method | Used With Cable Ties‡ | Std. Pkg. Qty. |
|-------------|-----------|---------|--------|-----|--------|------|-------|------|---------------|-----|-----------------|-----------------------|----------------|
| | | | In. | mm | In. | mm | In. | mm | In. | mm | | | |
| LPMS-S8-C | Nylon 6.6 | Natural | .12 | 3.0 | .75 | 19.1 | .50 | 12.7 | .180 | 4.6 | #8 (M4) Screw | M, I, S | 100 |

‡ Cable Tie Cross Section Sizes: M = Miniature, I = Intermediate, S = Standard, HS = Heavy-Standard, LH = Light-Heavy, H = Heavy, HLM = Miniature TAK-TY® Hook & Loop Ties.

Adhesive Tape for Wiring Duct



- Recommended installation temperature is 70°F (21°C)
- UL Recognized service temperature is 32°F (0°C) to 140°F (60°C)
- Optimum recommended dwell time for acrylic adhesive is 8 hours
- Recommended tape load is 1/2 lb. per square inch of tape area

As a Permanent Mounting Method:
Eliminates the drilling and tapping of holes, labor and time required to install separate mounting devices.

As a Temporary Mounting Method:
Holds duct in place to free installer's hands to further secure duct with screws, rivets, etc.

| Duct Size W x H | Tape Part Number | Roll Length | | Std. Pkg. Qty. | Std. Ctn. Qty. |
|----------------------|------------------|-------------|------|----------------|----------------|
| | | Yds. | M | | |
| .5 x .5 thru 1.5 x 4 | P32W2A2-50-7 | 7.0 | 6.4 | 1 Roll | 100 Rolls |
| | P32W2A2-50-72 | 72.0 | 65.5 | 1 Roll | 9 Rolls |
| 2 x 1 thru 3 x 3 | P32W2A2-50-7 | 7.0 | 6.4 | 1 Roll | 100 Rolls |
| | P32W2A2-50-72 | 72.0 | 65.5 | 1 Roll | 9 Rolls |
| 3 x 4 thru 3 x 5 | P32W2A2-75-7 | 7.0 | 6.4 | 1 Roll | 60 Rolls |
| | P32W2A2-75-72 | 72.0 | 65.5 | 1 Roll | 7 Rolls |
| 4 x 1.5 thru 4 x 3 | P32W2A2-50-7 | 7.0 | 6.4 | 1 Roll | 100 Rolls |
| | P32W2A2-75-72 | 72.0 | 65.5 | 1 Roll | 9 Rolls |
| 4 x 4 thru 6 x 4 | P32W2A2-75-7 | 7.0 | 6.4 | 1 Roll | 60 Rolls |
| | P32W2A2-75-72 | 72.0 | 65.5 | 1 Roll | 7 Rolls |

Order number of rolls required in multiples of Standard Package Quantity.

Adhesive Tape Guide

Selection of Wiring Duct Part Numbers Available with Factory Applied Adhesive Tape



| G Duct Light Gray | G Duct White | G Duct Black | F Duct Light Gray | NE Duct White |
|-------------------|---------------|--------------|-------------------|---------------|
| G.5X.5LG6-A | G.5X.5WH6-A | — | F.5X.5LG6-A | — |
| G.5X1LG6-A | G.5X1WH6-A | — | F.5X1LG6-A | — |
| G.75X.75LG6-A | — | — | F.75X.75LG6-A | — |
| G.75X1LG6-A | G.75X1WH6-A | — | — | — |
| G.75X1.5LG6-A | G.75X1.5WH6-A | — | F.75X1.5LG6-A | — |
| G.75X2LG6-A | G.75X2WH6-A | — | — | — |
| G1X1LG6-A | G1X1WH6-A | — | F1X1LG6-A | — |
| G1X1.5LG6-A | G1X1.5WH6-A | — | F1X1.5LG6-A | — |
| G1X2LG6-A | G1X2WH6-A | — | F1X2LG6-A | NE1X2WH6-A |
| G1X3LG6-A | G1X3WH6-A | G1X3BL6-A | F1X3LG6-A | — |
| G1X4LG6-A | G1X4WH6-A | — | F1X4LG6-A | — |
| G1.5X1LG6-A | G1.5X1WH6-A | — | F1.5X1LG6-A | — |
| G1.5X1.5LG6-A | G1.5X1.5WH6-A | — | F1.5X1.5LG6-A | — |
| G1.5X2LG6-A | G1.5X2WH6-A | — | F1.5X2LG6-A | NE1.5X2WH6-A |
| G1.5X3LG6-A | G1.5X3WH6-A | — | F1.5X3LG6-A | — |
| G1.5X4LG6-A | G1.5X4WH6-A | — | F1.5X4LG6-A | — |
| G2X1LG6-A | G2X1WH6-A | — | F2X1LG6-A | — |
| G2X1.5LG6-A | G2X1.5WH6-A | — | F2X1.5LG6-A | — |
| G2X2LG6-A | G2X2WH6-A | G2X2BL6-A | F2X2LG6-A | NE2X2WH6-A |
| G2X3LG6-A | G2X3WH6-A | — | F2X3LG6-A | — |
| G2X4LG6-A | G2X4WH6-A | G2X4BL6-A | F2X4LG6-A | — |
| G2X5LG6-A | G2X5WH6-A | — | F2X5LG6-A | — |
| G2.5X3LG6-A | G2.5X3WH6-A | — | — | — |
| G3X1LG6-A | G3X1WH6-A | — | F3X1LG6-A | NE3X1WH6-A |
| G3X2LG6-A | G3X2WH6-A | — | F3X2LG6-A | — |
| G3X3LG6-A | G3X3WH6-A | G3X3BL6-A | F3X3LG6-A | — |
| G3X4LG6-A | G3X4WH6-A | — | F3X4LG6-A | — |
| G3X5LG6-A | G3X5WH6-A | — | F3X5LG6-A | — |
| G4X1.5LG6-A | G4X1.5WH6-A | — | — | — |
| G4X2LG6-A | G4X2WH6-A | — | F4X2LG6-A | NE4X2WH6-A |
| G4X3LG6-A | G4X3WH6-A | — | F4X3LG6-A | NE4X3WH6-A |
| G4X4LG6-A | G4X4WH6-A | G4X4BL6-A | F4X4LG6-A | NE4X4WH6-A |
| G4X5LG6-A | G4X5WH6-A | — | F4X5LG6-A | — |

*All 3 sizes of Flexible Duct come provided with adhesive: FL12X12LG-A, FL25X25LG-A, FL50X50LG-A

Specifications for Factory Applied Tape

| Duct Size WxH | Rows of Tape | Tape | | | |
|-------------------------|--------------|-------|------|-----------|----|
| | | Width | | Thickness | |
| | | In. | mm | In. | mm |
| .5 x .5 through 1.5 x 4 | 1 | .50 | 12.7 | .03 | .8 |
| 2 x 1 through 3 x 3 | 2 | .50 | 12.7 | .03 | .8 |
| 3 x 4 through 3 x 5 | 2 | .75 | 19.1 | .03 | .8 |
| 4 x 1.5 through 4 x 3 | 2 | .50 | 12.7 | .03 | .8 |
| 4 x 4 through 6 x 4 | 2 | .75 | 19.1 | .03 | .8 |

Wiring Duct *Tools*

PANDUCT® Cutting Tool



- Easily cuts any PANDUCT® duct and cover

| Part Number | Part Description | Std. Pkg. Qty. |
|-------------|--|----------------|
| DCT | Hand held duct cutting tool. | 1 |
| DCT-BLD | Replacement blade kit with blade and nylon insert. | 1 |
| DCT-RI | Replacement nylon insert. | 5 |

Always use approved safety goggles when using any tools.



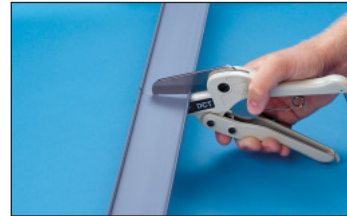
DCT-BLD



DCT-RI



Use to cut any PANDUCT® Duct or Cover.



Cut cover as shown, latch side-up.

PANDUCT® Duct Finger Cutting Tool



- Easily removes duct fingers in tight places
- For use with all slotted wiring duct

| Part Number | Part Description | Std. Pkg. Qty. |
|-------------|-------------------------------------|----------------|
| DFCT | Hand held duct finger cutting tool. | 1 |

Always use approved safety goggles when using any tools.



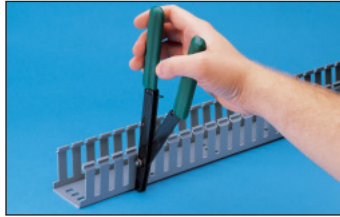
PANDUCT® Notching Tool



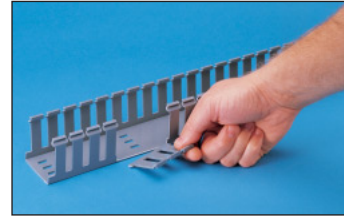
- Notches duct sidewalls to bottom scoreline for tee and corner junctions

| Part Number | Part Description | Std. Pkg. Qty. |
|-------------|-----------------------------------|----------------|
| DNT-100 | Hand held sidewall notching tool. | 1 |

Always use approved safety goggles when using any tools.



Step 1 —
Notch wiring duct sidewall at the desired opening width.



Step 2 —
Snap off notched wiring duct piece at bottom scoreline.

PANDUCT® Nylon Rivet Installation Tool



TNR

- Installs PANDUIT® Nylon Rivets (NR1) quickly and easily

| Part Number | Part Description | Std. Pkg. Qty. |
|-------------|--|----------------|
| TNR | Hand held nylon rivet installation tool. | 1 |

Nylon Rivets

| | | |
|-------|--|------|
| NR1-C | Nylon rivet for use with TNR Rivet Tool. | 100 |
| NR1-M | Nylon rivet for use with TNR Rivet Tool. | 1000 |

Always use approved safety goggles when using any tools.



NR1

| Total Thickness of Panel and Duct | | Panel Hole Dia. Needed | |
|-----------------------------------|------------|------------------------|-----|
| In. | mm | In. | mm |
| .158 - .187 | 4.0 - 4.7 | .18 | 4.7 |
| .188 - .218 | 4.8 - 5.5 | .19 | 4.9 |
| .219 - .250 | 5.6 - 6.4 | .20 | 5.2 |
| .251 and up | 6.5 and up | .21 | 5.4 |

- Fast, lowest cost mounting method
- Installs quickly and easily using PANDUIT® Rivet Installation Tool (TNR)



Step 1 —
Insert rivet in tool.



Step 2 —
Position rivet into hole.



Step 3 —
Install rivet with sharp tap.

Overview

Wiring Duct *Tools & Accessories*

Notes

Control
Panel

Special
Environment

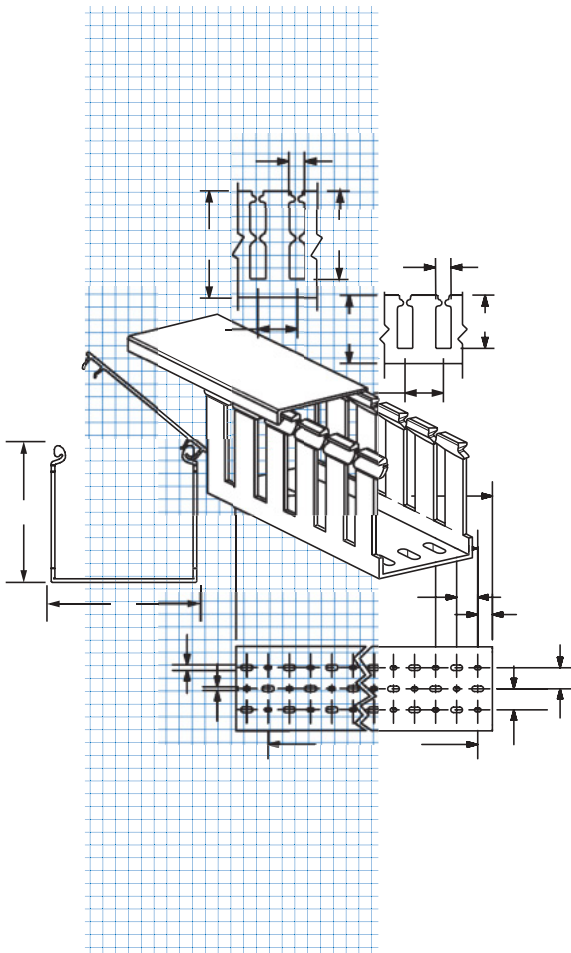
Voice &
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PANDUIT® provides detailed technical information to assist in selecting and specifying the proper Wiring Duct:



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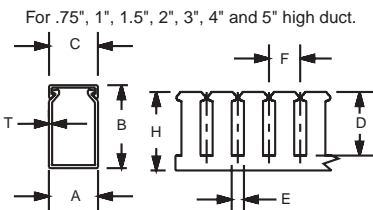
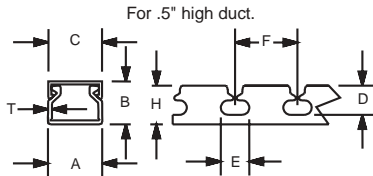
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Wiring Duct *Technical Info*

PANDUCT® Type G & D Wiring Duct Dimensions

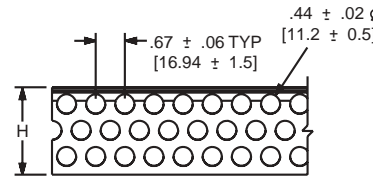
Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

Control Panel



Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

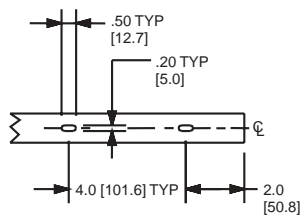
Data & Voice



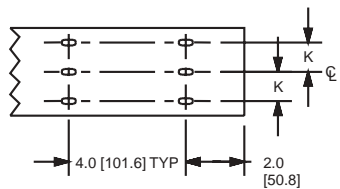
Tools & Accessories

For 2" duct height = 3 rows of holes
3" duct height = 4 rows of holes
4" duct height = 6 rows of holes

Mounting Hole Dimensions
For 0.5", 0.75", 1", and 1.5" wide duct.



For 2.0", 2.5", 3", 4" and 6" wide duct.



Index

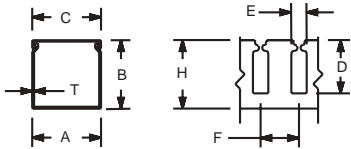
| DUCT SIZE (W x H) | DIMENSIONS — Inches (mm) | | | | | | | | |
|-------------------|--------------------------|--------------|--------------|--------------|------------|-------------|--------------|-------------|------------|
| | A | B | C | D | E | F | H | K | T |
| .5 x .5 | 0.69 (17.5) | 0.60 (15.2) | 0.69 (17.5) | 0.38 (9.5) | 0.37 (9.3) | 0.80 (20.3) | 0.50 (12.7) | | 0.05 (1.3) |
| .5 x 1 | 0.69 (17.5) | 1.06 (26.9) | 0.69 (17.5) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.05 (1.3) |
| .5 x 2 | 0.69 (17.5) | 2.03 (51.6) | 0.69 (17.5) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.08 (2.0) |
| .5 x 4 | 0.69 (17.5) | 4.10 (104.1) | 0.69 (17.5) | 2.25 (57.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | | 0.10 (2.4) |
| .75 x .75 | 0.93 (23.6) | 0.82 (20.8) | 0.94 (23.9) | 0.56 (14.3) | 0.31 (7.9) | 0.80 (20.3) | 0.75 (19.1) | | 0.06 (1.4) |
| .75 x 1 | 0.93 (23.6) | 1.06 (26.9) | 0.94 (23.9) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.06 (1.4) |
| .75 x 1.5 | 0.93 (23.6) | 1.57 (39.9) | 0.94 (23.9) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | | 0.07 (1.8) |
| .75 x 2 | 0.93 (23.6) | 2.03 (51.6) | 0.94 (23.9) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.08 (2.0) |
| 1 x 1 | 1.26 (32.0) | 1.12 (28.4) | 1.25 (31.8) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.06 (1.4) |
| 1 x 1.5 | 1.26 (32.0) | 1.62 (41.1) | 1.25 (31.8) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | | 0.07 (1.8) |
| 1 x 2 | 1.26 (32.0) | 2.12 (53.8) | 1.25 (31.8) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.08 (2.0) |
| 1 x 3 | 1.26 (32.0) | 3.12 (79.2) | 1.25 (31.8) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | | 0.10 (2.4) |
| 1 x 4 | 1.26 (32.0) | 4.10 (104.1) | 1.25 (31.8) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | | 0.11 (2.7) |
| 1.5 x 1 | 1.75 (44.5) | 1.12 (28.4) | 1.75 (44.5) | .75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.06 (1.5) |
| 1.5 x 1.5 | 1.75 (44.5) | 1.62 (41.1) | 1.75 (44.5) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | | 0.07 (1.8) |
| 1.5 x 2 | 1.75 (44.5) | 2.12 (53.8) | 1.75 (44.5) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.08 (2.0) |
| 1.5 x 3 | 1.75 (44.5) | 3.12 (79.2) | 1.75 (44.5) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | | 0.10 (2.4) |
| 1.5 x 4 | 1.75 (44.5) | 4.10 (104.1) | 1.75 (44.5) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | | 0.11 (2.7) |
| 2 x 1 | 2.25 (57.2) | 1.12 (28.4) | 2.25 (57.2) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | 0.50 (12.7) | 0.06 (1.5) |
| 2 x 1.5 | 2.25 (57.2) | 1.62 (41.1) | 2.25 (57.2) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | 0.50 (12.7) | 0.07 (1.8) |
| 2 x 2 | 2.25 (57.2) | 2.12 (53.8) | 2.25 (57.2) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 0.50 (12.7) | 0.08 (2.0) |
| 2 x 3 | 2.25 (57.2) | 3.12 (79.2) | 2.25 (57.2) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 0.50 (12.7) | 0.10 (2.4) |
| 2 x 4 | 2.25 (57.2) | 4.10 (104.1) | 2.25 (57.2) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 0.50 (12.7) | 0.11 (2.7) |
| 2 x 5 | 2.25 (57.2) | 5.10 (129.5) | 2.25 (57.2) | 4.63 (117.5) | 0.38 (9.5) | 1.33 (33.9) | 5.00 (127.0) | 0.50 (12.7) | 0.12 (2.9) |
| 2.5 x 3 | 2.75 (69.9) | 3.12 (79.2) | 2.75 (69.9) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 0.73 (18.4) | 0.10 (2.5) |
| 3 x 1 | 3.25 (82.6) | 1.12 (28.4) | 3.25 (82.6) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | 1.00 (25.4) | 0.07 (1.8) |
| 3 x 2 | 3.25 (82.6) | 1.62 (41.1) | 3.25 (82.6) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 1.00 (25.4) | 0.08 (2.0) |
| 3 x 3 | 3.25 (82.6) | 2.12 (53.8) | 3.25 (82.6) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 1.00 (25.4) | 0.10 (2.4) |
| 3 x 4 | 3.25 (82.6) | 3.12 (79.2) | 3.25 (82.6) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.00 (25.4) | 0.11 (2.7) |
| 3 x 5 | 3.25 (82.6) | 4.10 (104.1) | 3.25 (82.6) | 4.63 (117.5) | 0.38 (9.5) | 1.33 (33.9) | 5.00 (127.0) | 1.00 (25.4) | 0.12 (2.9) |
| 4 x 1.5 | 4.25 (108.0) | 1.62 (41.1) | 4.25 (108.0) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | 1.50 (38.1) | 0.07 (1.8) |
| 4 x 2 | 4.25 (108.0) | 2.12 (53.8) | 4.25 (108.0) | 1.63 (41.3) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 1.50 (38.1) | 0.08 (2.0) |
| 4 x 3 | 4.25 (108.0) | 3.12 (79.2) | 4.25 (108.0) | 2.63 (66.7) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 1.50 (38.1) | 0.10 (2.4) |
| 4 x 4 | 4.25 (108.0) | 4.10 (104.1) | 4.25 (108.0) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.50 (38.1) | 0.11 (2.7) |
| 4 x 5 | 4.25 (108.0) | 5.10 (129.5) | 4.25 (108.0) | 4.63 (117.5) | 0.38 (9.5) | 1.33 (33.9) | 5.00 (127.0) | 1.50 (38.1) | 0.12 (2.9) |
| 6 x 4 | 6.25 (158.8) | 4.15 (105.4) | 6.25 (158.8) | 3.63 (92.1) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 2.50 (63.5) | 0.11 (2.8) |

> Available for Type G Duct only.
See page F14 for wiring duct color and size availability.

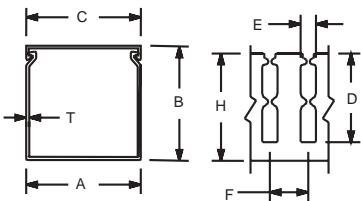
PANDUCT® Type F Wiring Duct & FS Raceway Dimensions

Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

For .5", .75", 1" and 1.5" high duct.

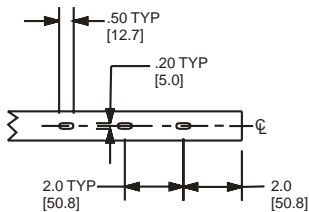


For 2", 3", 4" and 5" high duct.

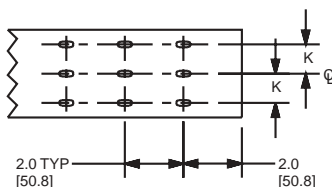


Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

Mounting Hole Dimensions
For .5", .75", 1" and 1.5" wide duct.



For 2.0", 2.5", 3", 4" and 6" wide duct.



Note: For Type FS Raceway, no mounting holes is the standard condition; if mounting holes are required, delete NM from the Part Number.

| DUCT SIZE (W x H) | DIMENSIONS — Inches (mm) | | | | | | | | K | T |
|----------------------------|--------------------------|-----------------|-----------------|-----------------|---------------|----------------|-----------------|---------------|---------------|---|
| | A | B | C | D | E | F | H | | | |
| .5 x .5 (12.7) (12.7) | 0.69 (17.5) | 0.60 (15.2) | 0.69 (17.5) | 0.38 (9.5) | 0.20 (5.0) | 0.50 (12.7) | 0.50 (12.7) | ON CENTERLINE | 0.05 (1.3) | |
| .5 x 1 (12.7) (25.4) | 0.69 (17.5) | 1.06 (26.9) | 0.69 (17.5) | 0.75 (19.1) | 0.20 (5.0) | 0.50 (12.7) | 1.00 (25.4) | | 0.05 (1.3) | |
| .75 x .75 (19.1) (19.1) | 0.93 (23.6) | 0.82 (20.8) | 0.94 (23.9) | 0.56 (14.3) | 0.20 (5.0) | 0.50 (12.7) | 0.75 (19.1) | | 0.06 (1.4) | |
| .75 x 1.5 (19.1) (38.1) | 0.93 (23.6) | 1.57 (39.9) | 0.94 (23.9) | 1.20 (30.5) | 0.20 (5.0) | 0.50 (12.7) | 1.50 (38.1) | | 0.07 (1.8) | |
| 1 x 1 (25.4) (25.4) | 1.26 (32.0) | 1.12 (28.4) | 1.25 (31.8) | 0.75 (19.1) | 0.20 (5.0) | 0.50 (12.7) | 1.00 (25.4) | | 0.06 (1.4) | |
| 1 x 1.5 (25.4) (38.1) | 1.26 (32.0) | 1.62 (41.1) | 1.25 (31.8) | 1.20 (30.5) | 0.20 (5.0) | 0.50 (12.7) | 1.50 (38.1) | | 0.07 (1.8) | |
| 1 x 2 (25.4) (50.8) | 1.26 (32.0) | 2.12 (53.8) | 1.25 (31.8) | 1.63 (41.3) | 0.20 (5.0) | 0.50 (12.7) | 2.00 (50.8) | | 0.08 (2.0) | |
| 1 x 3 (25.4) (76.2) | 1.26 (32.0) | 3.12 (79.2) | 1.25 (31.8) | 2.63 (66.7) | 0.20 (5.0) | 0.50 (12.7) | 3.00 (76.2) | | 0.10 (2.4) | |
| 1 x 4 (25.4) (101.6) | 1.26 (32.0) | 4.10 (104.1) | 1.25 (31.8) | 3.63 (92.1) | 0.20 (5.0) | 0.50 (12.7) | 4.00 (101.6) | | 0.11 (2.7) | |
| 1.5 x 1 (38.1) (25.4) | 1.75 (44.5) | 1.12 (28.4) | 1.75 (44.5) | 0.75 (19.1) | 0.20 (5.0) | 0.50 (12.7) | 1.00 (25.4) | | 0.06 (1.5) | |
| 1.5 x 1.5 (38.1) (38.1) | 1.75 (44.5) | 1.62 (41.1) | 1.75 (44.5) | 1.20 (30.5) | 0.20 (5.0) | 0.50 (12.7) | 1.50 (38.1) | | 0.07 (1.8) | |
| 1.5 x 2 (38.1) (50.8) | 1.75 (44.5) | 2.12 (53.8) | 1.75 (44.5) | 1.63 (41.3) | 0.20 (5.0) | 0.50 (12.7) | 2.00 (50.8) | | 0.08 (2.0) | |
| 1.5 x 3 (38.1) (76.2) | 1.75 (44.5) | 3.12 (79.2) | 1.75 (44.5) | 2.63 (66.7) | 0.20 (5.0) | 0.50 (12.7) | 3.00 (76.2) | | 0.10 (2.4) | |
| 1.5 x 4 (38.1) (101.6) | 1.75 (44.5) | 4.10 (104.1) | 1.75 (44.5) | 3.63 (92.1) | 0.20 (5.0) | 0.50 (12.7) | 4.00 (101.6) | | 0.11 (2.7) | |
| 2 x 1 (50.8) (25.4) | 2.25 (57.2) | 1.12 (28.4) | 2.25 (57.2) | 0.75 (19.1) | 0.20 (5.0) | 0.50 (12.7) | 1.00 (25.4) | | 0.06 (1.5) | |
| 2 x 1.5 (50.8) (38.1) | 2.25 (57.2) | 1.62 (41.1) | 2.25 (57.2) | 1.20 (30.5) | 0.20 (5.0) | 0.50 (12.7) | 1.50 (38.1) | | 0.07 (1.8) | |
| 2 x 2 (50.8) (50.8) | 2.25 (57.2) | 2.12 (53.8) | 2.25 (57.2) | 1.63 (41.3) | 0.20 (5.0) | 0.50 (12.7) | 2.00 (50.8) | 0.08 (2.0) | | |
| 2 x 3 (50.8) (76.2) | 2.25 (57.2) | 3.12 (79.2) | 2.25 (57.2) | 2.63 (66.7) | 0.20 (5.0) | 0.50 (12.7) | 3.00 (76.2) | 0.10 (2.4) | | |
| 2 x 4 (50.8) (101.6) | 2.25 (57.2) | 4.10 (104.1) | 2.25 (57.2) | 3.63 (92.1) | 0.20 (5.0) | 0.50 (12.7) | 4.00 (101.6) | 0.11 (2.7) | | |
| 2 x 5 (50.8) (127.0) | 2.25 (57.2) | 5.10 (129.5) | 2.25 (57.2) | 4.63 (117.5) | 0.20 (5.0) | 0.50 (12.7) | 5.00 (127.0) | 0.12 (2.9) | | |
| 3 x 1 (76.2) (25.4) | 3.25 (82.6) | 1.12 (28.4) | 3.25 (82.6) | 0.75 (19.1) | 0.20 (5.0) | 0.50 (12.7) | 1.00 (25.4) | 0.07 (1.7) | | |
| 3 x 2 (76.2) (50.8) | 3.25 (82.6) | 2.12 (53.8) | 3.25 (82.6) | 1.63 (41.3) | 0.20 (5.0) | 0.50 (12.7) | 2.00 (50.8) | 0.08 (2.0) | | |
| 3 x 3 (76.2) (76.2) | 3.25 (82.6) | 3.12 (79.2) | 3.25 (82.6) | 2.63 (66.7) | 0.20 (5.0) | 0.50 (12.7) | 3.00 (76.2) | 0.10 (2.4) | | |
| 3 x 4 (76.2) (101.6) | 3.25 (82.6) | 4.10 (104.1) | 3.25 (82.6) | 3.63 (92.1) | 0.20 (5.0) | 0.50 (12.7) | 4.00 (101.6) | 0.11 (2.7) | | |
| 3 x 5 (76.2) (127.0) | 3.25 (82.6) | 5.10 (129.5) | 3.25 (82.6) | 4.63 (117.5) | 0.20 (5.0) | 0.50 (12.7) | 5.00 (127.0) | 0.12 (2.9) | | |
| 4 x 1.5 (101.6) (38.1) | 4.25 (108.0) | 1.62 (41.1) | 4.25 (108.0) | N/A | N/A | N/A | 1.50 (38.1) | 0.07 (1.8) | | |
| 4 x 2 (101.6) (50.8) | 4.25 (108.0) | 2.12 (53.8) | 4.25 (108.0) | 1.63 (41.3) | 0.20 (5.0) | 0.50 (12.7) | 2.00 (50.8) | 0.08 (2.0) | | |
| 4 x 3 (101.6) (76.2) | 4.25 (108.0) | 3.12 (79.2) | 4.25 (108.0) | 2.63 (66.7) | 0.20 (5.0) | 0.50 (12.7) | 3.00 (76.2) | 0.10 (2.4) | | |
| 4 x 4 (101.6) (101.6) | 4.25 (108.0) | 4.10 (104.1) | 4.25 (108.0) | 3.63 (92.1) | 0.20 (5.0) | 0.50 (12.7) | 4.00 (101.6) | 0.11 (2.7) | | |
| 4 x 5 (101.6) (127.0) | 4.25 (108.0) | 5.10 (129.5) | 4.25 (108.0) | 4.63 (117.5) | 0.20 (5.0) | 0.50 (12.7) | 5.00 (127.0) | 0.12 (2.9) | | |
| 6 x 4 (152.4) (101.6) | 6.25 (158.8) | 4.15 (105.4) | 6.25 (158.8) | N/A | N/A | N/A | 4.00 (101.6) | 0.11 (2.8) | | |

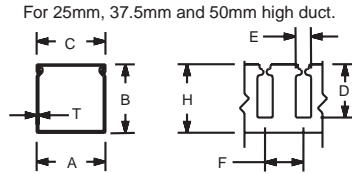
> Available for Type FS Duct only.
See page F14 for wiring duct color and size availability.

Wiring Duct *Technical Info*

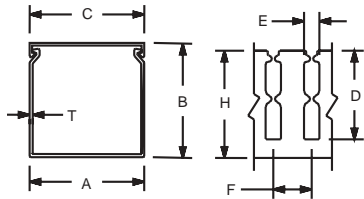
PANDUCT® Type MC & TMC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

Control Panel



For 62.5mm, 75mm and 100mm high duct.



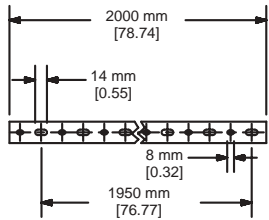
Special Environment

Data & Voice

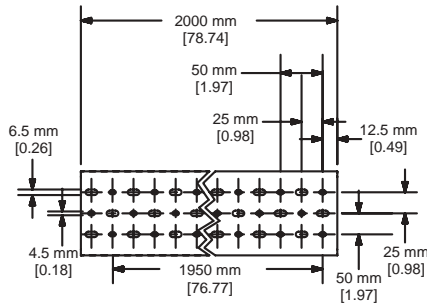
Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

Mounting Hole Dimensions

For 25mm, 37.5mm and 50mm width duct.



For 75mm and 100mm width duct.



Tools & Accessories

Technical Info

| DUCT SIZE (W x H) | DIMENSIONS — mm (Inches) | | | | | | | | K | T |
|--------------------------------|--------------------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|---|
| | A | B | C | D | E | F | H | | | |
| 25 x 25 (.98) x (.98) | 24.6 (0.97) | 23.6 (0.93) | 24.6 (0.97) | 13.6 (0.54) | 5.0 (0.20) | 12.5 (0.49) | 20.5 (0.81) | ON CENTERLINE | 1.4 (0.06) | |
| 25 x 37.5 (.98) x (1.48) | 24.6 (0.97) | 35.8 (1.41) | 24.6 (0.97) | 24.7 (0.97) | 5.0 (0.20) | 12.5 (0.49) | 33.0 (1.30) | | 1.4 (0.06) | |
| 25 x 50 (.98) x (1.97) | 24.6 (0.97) | 47.8 (1.88) | 24.6 (0.97) | 34.8 (1.37) | 5.0 (0.20) | 12.5 (0.49) | 45.5 (1.79) | | 1.5 (0.06) | |
| 25 x 62.5 (.98) x (2.46) | 24.6 (0.97) | 59.7 (2.35) | 24.6 (0.97) | 45.8 (1.80) | 5.0 (0.20) | 12.5 (0.49) | 58.0 (2.28) | | 1.5 (0.06) | |
| 25 x 75 (.98) x (2.95) | 24.6 (0.97) | 73.2 (2.88) | 24.6 (0.97) | 57.6 (2.27) | 5.0 (0.20) | 12.5 (0.49) | 70.5 (2.78) | | 1.7 (0.07) | |
| 37.5 x 37.5 (1.48) x (1.48) | 37.1 (1.46) | 35.8 (1.41) | 37.1 (1.46) | 24.7 (0.97) | 5.0 (0.20) | 12.5 (0.49) | 33.0 (1.30) | | 1.5 (0.06) | |
| 37.5 x 50 (1.48) x (1.97) | 37.1 (1.46) | 47.8 (1.88) | 37.1 (1.46) | 34.8 (1.37) | 5.0 (0.20) | 12.5 (0.49) | 45.5 (1.79) | | 1.7 (0.07) | |
| 37.5 x 62.5 (1.48) x (2.46) | 37.1 (1.46) | 59.7 (2.35) | 37.1 (1.46) | 45.8 (1.80) | 5.0 (0.20) | 12.5 (0.49) | 58.0 (2.28) | | 1.7 (0.07) | |
| 37.5 x 75 (1.48) x (2.95) | 37.1 (1.46) | 72.4 (2.85) | 37.1 (1.46) | 57.6 (2.27) | 5.0 (0.20) | 12.5 (0.49) | 70.5 (2.78) | | 1.8 (0.07) | |
| 50 x 50 (1.97) x (1.97) | 49.5 (1.95) | 48.0 (1.89) | 49.6 (1.95) | 34.8 (1.37) | 5.0 (0.20) | 12.5 (0.49) | 45.5 (1.79) | | 1.7 (0.07) | |
| 50 x 75 (1.97) x (2.95) | 49.5 (1.95) | 72.4 (2.85) | 49.6 (1.95) | 57.6 (2.27) | 5.0 (0.20) | 12.5 (0.49) | 70.5 (2.78) | 1.9 (0.08) | | |
| 50 x 100 (1.97) x (3.94) | 49.5 (1.95) | 97.8 (3.85) | 49.6 (1.95) | 81.0 (3.19) | 5.0 (0.20) | 12.5 (0.49) | 95.5 (3.76) | 2.2 (0.09) | | |
| 62.5 x 37.5 (2.46) x (1.48) | 62.0 (2.44) | 35.8 (1.41) | 62.1 (2.44) | 24.7 (0.97) | 5.0 (0.20) | 12.5 (0.49) | 33.0 (1.30) | 1.7 (0.07) | | |
| 62.5 x 62.5 (2.46) x (2.46) | 62.0 (2.44) | 59.7 (2.35) | 62.1 (2.44) | 45.8 (1.80) | 5.0 (0.20) | 12.5 (0.49) | 58.0 (2.28) | 1.8 (0.07) | | |
| 75 x 50 (2.95) x (1.97) | 74.7 (2.94) | 48.0 (1.89) | 74.6 (2.94) | 34.8 (1.37) | 5.0 (0.20) | 12.5 (0.49) | 45.5 (1.79) | 25.0 (0.98) | 2.0 (0.08) | |
| 75 x 62.5 (2.95) x (2.46) | 74.7 (2.94) | 59.7 (2.35) | 74.6 (2.94) | 45.8 (1.80) | 5.0 (0.20) | 12.5 (0.49) | 58.0 (2.28) | 25.0 (0.98) | 2.0 (0.08) | |
| 75 x 75 (2.95) x (2.95) | 74.7 (2.94) | 73.2 (2.88) | 74.6 (2.94) | 57.6 (2.27) | 5.0 (0.20) | 12.5 (0.49) | 70.5 (2.78) | 25.0 (0.98) | 2.2 (0.09) | |
| 75 x 100 (2.95) x (3.94) | 74.7 (2.94) | 97.8 (3.85) | 74.6 (2.94) | 81.0 (3.19) | 5.0 (0.20) | 12.5 (0.49) | 95.5 (3.76) | 25.0 (0.98) | 2.3 (0.09) | |
| 100 x 50 (3.94) x (1.97) | 99.6 (3.92) | 48.0 (1.89) | 99.6 (3.92) | 34.8 (1.37) | 5.0 (0.20) | 12.5 (0.49) | 45.5 (1.79) | 25.0 (0.98) | 2.0 (0.08) | |
| 100 x 62.5 (3.94) x (2.46) | 99.6 (3.92) | 59.7 (2.35) | 99.6 (3.92) | 45.8 (1.80) | 5.0 (0.20) | 12.5 (0.49) | 58.0 (2.28) | 25.0 (0.98) | 2.0 (0.08) | |
| 100 x 75 (3.94) x (2.95) | 99.6 (3.92) | 73.2 (2.88) | 99.6 (3.92) | 57.6 (2.27) | 5.0 (0.20) | 12.5 (0.49) | 70.5 (2.78) | 25.0 (0.98) | 2.5 (0.10) | |
| 100 x 100 (3.94) x (3.94) | 99.6 (3.92) | 97.8 (3.85) | 99.6 (3.92) | 81.0 (3.19) | 5.0 (0.20) | 12.5 (0.49) | 95.5 (3.76) | 25.0 (0.98) | 2.5 (0.10) | |

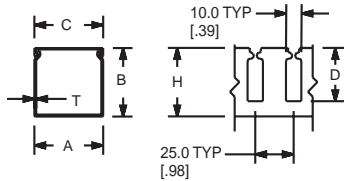
> Available for Type MC Duct only.

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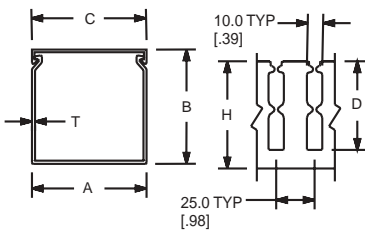
PANDUCT® Type NNC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

For 25mm, 37.5mm and 50mm high duct.

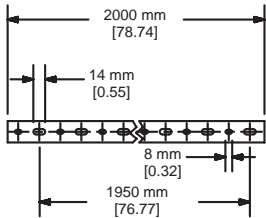


For 75mm and 100mm high duct.

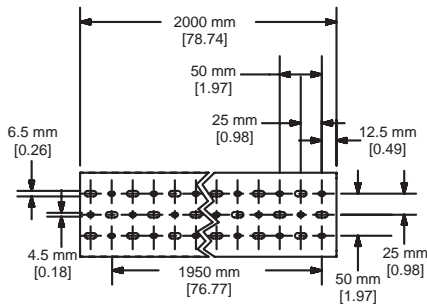


Mounting Hole Dimensions

For 25mm, 37.5mm and 50mm width duct.



For 75mm and 100mm width duct.



| DUCT SIZE (W x H) | DIMENSIONS – mm (Inches) | | | | | |
|--------------------------------|--------------------------|----------------|----------------|----------------|----------------|---------------|
| | A | B | C | D | H | K |
| 25 x 25 (.98) x (.98) | 24.6 (0.97) | 23.6 (0.93) | 24.6 (0.97) | 13.6 (0.54) | 20.3 (0.80) | 1.5 (0.06) |
| 25 x 37 (.98) x (1.48) | 24.6 (0.97) | 35.8 (1.41) | 24.6 (0.97) | 24.6 (0.97) | 33.0 (1.30) | 1.8 (0.07) |
| 25 x 50 (.98) x (1.97) | 24.6 (0.97) | 47.8 (1.88) | 24.6 (.97) | 34.8 (1.37) | 45.5 (1.79) | 2.0 (0.08) |
| 25 x 75 (.98) x (2.95) | 24.6 (0.97) | 72.4 (2.85) | 24.6 (0.97) | 57.6 (2.27) | 70.6 (2.78) | 2.0 (0.08) |
| 37.5 x 37.5 (1.48) x (1.48) | 37.1 (1.46) | 35.8 (1.41) | 37.1 (1.46) | 24.7 (0.97) | 33.0 (1.30) | 1.8 (0.07) |
| 37.5 x 50 (1.48) x (1.97) | 37.1 (1.46) | 47.8 (1.88) | 37.1 (1.46) | 34.8 (1.37) | 45.5 (1.79) | 2.0 (0.08) |
| 37.5 x 75 (1.48) x (2.95) | 37.1 (1.46) | 72.4 (2.85) | 37.1 (1.46) | 57.6 (2.27) | 70.6 (2.78) | 2.0 (0.08) |
| 50 x 50 (1.97) x (1.97) | 49.5 (1.95) | 47.8 (1.88) | 49.5 (1.95) | 34.8 (1.37) | 45.5 (1.79) | 2.0 (0.08) |
| 50 x 75 (1.97) x (2.95) | 49.5 (1.95) | 72.4 (2.85) | 49.5 (1.95) | 57.6 (2.27) | 70.6 (2.78) | 2.0 (0.08) |
| 50 x 100 (1.97) x (3.94) | 49.5 (1.95) | 97.8 (3.85) | 49.5 (1.95) | 81.0 (3.19) | 95.5 (3.76) | 2.3 (0.09) |
| 75 x 75 (2.95) x (2.95) | 74.7 (2.94) | 72.4 (2.85) | 74.7 (2.94) | 57.6 (2.27) | 70.6 (2.78) | 2.0 (0.08) |
| 100 x 50 (3.94) x (1.97) | 99.6 (3.92) | 47.8 (1.88) | 99.6 (3.92) | 34.8 (1.37) | 45.5 (1.79) | 2.0 (0.08) |
| 100 x 75 (3.94) x (2.95) | 99.6 (3.92) | 72.4 (2.85) | 99.6 (3.92) | 57.6 (2.27) | 70.6 (2.78) | 2.0 (0.08) |
| 100 x 100 (3.92) x (3.85) | 99.6 (3.92) | 97.8 (3.85) | 99.6 (3.92) | 81.0 (3.19) | 95.5 (3.76) | 2.3 (0.09) |

Control Panel

Special Environment

Data & Voice

Tools & Accessories

Technical Info

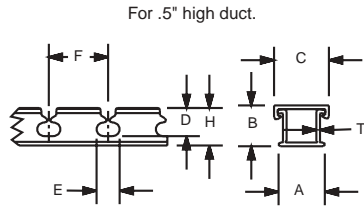
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Wiring Duct *Technical Info*

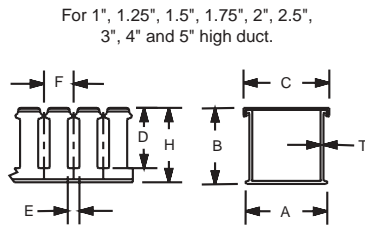
PANDUCT® Type NE Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

Control Panel

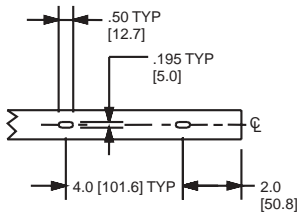


Special Environment

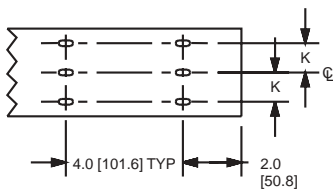


Data & Voice

Mounting Hole Dimensions
For 0.5", 0.75", 1", and 1.5" wide duct.



For 2.0", 2.5", 3" and 4" wide duct.



Tools & Accessories

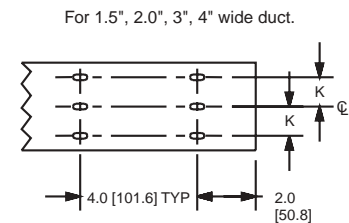
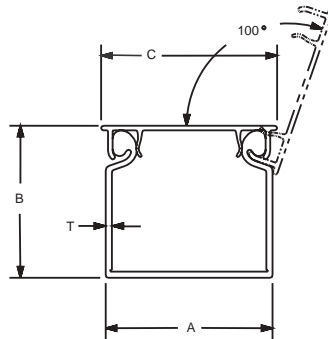
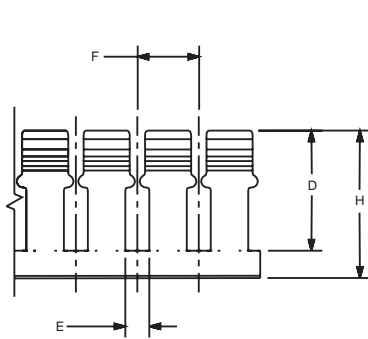
Technical Info

| DUCT SIZE (W x H) | DIMENSIONS — Inches (mm) | | | | | | | | K | T |
|----------------------------|--------------------------|-----------------|-----------------|-----------------|---------------|----------------|-----------------|----------------|---------------|---|
| | A | B | C | D | E | F | H | | | |
| .5 x .5 (12.7) (12.7) | 0.63 (16.0) | 0.56 (14.2) | 0.69 (17.5) | 0.38 (9.7) | 0.37 (9.4) | 0.80 (20.3) | 0.50 (12.7) | ON CENTERLINE | 0.05 (1.3) | |
| .5 x 1 (12.7) (25.4) | 0.63 (16.0) | 1.06 (26.9) | 0.69 (17.5) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.06 (1.5) | |
| 1 x 1 (25.4) (25.4) | 1.14 (29.0) | 1.06 (26.9) | 1.25 (31.8) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | | 0.06 (1.5) | |
| 1 x 1.5 (25.4) (38.1) | 1.14 (29.0) | 1.62 (41.1) | 1.25 (31.8) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | | 0.07 (1.8) | |
| 1 x 2 (25.4) (50.8) | 1.14 (29.0) | 2.06 (52.3) | 1.25 (31.8) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.07 (1.8) | |
| 1 x 3 (25.4) (76.2) | 1.14 (29.0) | 3.06 (77.7) | 1.25 (31.8) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | | 0.07 (1.8) | |
| 1 x 4 (25.4) (101.6) | 1.14 (29.0) | 4.06 (103.1) | 1.25 (31.8) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | | 0.08 (2.0) | |
| 1.5 x 1.5 (38.1) (38.1) | 1.64 (41.7) | 1.62 (41.1) | 1.75 (44.5) | 1.20 (30.5) | 0.31 (7.9) | 0.80 (20.3) | 1.50 (38.1) | | 0.07 (1.8) | |
| 1.5 x 2 (38.1) (50.8) | 1.64 (41.7) | 2.06 (52.3) | 1.75 (44.5) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | | 0.07 (1.8) | |
| 1.5 x 3 (38.1) (76.2) | 1.64 (41.7) | 3.06 (77.7) | 1.75 (44.5) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | | 0.07 (1.8) | |
| 1.5 x 4 (38.1) (101.6) | 1.64 (41.7) | 4.06 (103.1) | 1.75 (44.5) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 0.08 (2.0) | | |
| 2 x 1 (50.8) (25.4) | 2.14 (54.4) | 1.06 (26.9) | 2.25 (57.2) | 0.75 (19.1) | 0.31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | 0.50 (12.7) | 0.06 (1.5) | |
| 2 x 2 (50.8) (50.8) | 2.14 (54.4) | 2.06 (52.3) | 2.25 (57.2) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 0.50 (12.7) | 0.07 (1.8) | |
| 2 x 3 (50.8) (76.2) | 2.14 (54.4) | 3.06 (77.7) | 2.25 (57.2) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 0.50 (12.7) | 0.07 (1.8) | |
| 2 x 4 (50.8) (101.6) | 2.14 (54.4) | 4.06 (103.1) | 2.25 (57.2) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 0.50 (12.7) | 0.08 (2.0) | |
| 2.5 x 3 (63.5) (76.2) | 2.64 (67.1) | 3.06 (77.7) | 2.75 (69.9) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 0.75 (19.1) | 0.07 (1.8) | |
| 3 x 1 (76.2) (25.4) | 3.14 (79.8) | 1.06 (26.9) | 3.25 (82.6) | .75 (19.1) | .31 (7.9) | 0.80 (20.3) | 1.00 (25.4) | 1.00 (25.4) | 0.06 (1.5) | |
| 3 x 2 (76.2) (50.8) | 3.14 (79.8) | 2.06 (52.3) | 3.25 (82.6) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 1.00 (25.4) | 0.07 (1.7) | |
| 3 x 3 (76.2) (76.2) | 3.14 (79.8) | 3.06 (77.7) | 3.25 (82.6) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 1.00 (25.4) | 0.07 (1.8) | |
| 3 x 4 (76.2) (101.6) | 3.14 (79.8) | 4.06 (103.1) | 3.25 (82.6) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.00 (25.4) | 0.08 (2.0) | |
| 3 x 5 (76.2) (127.0) | 3.14 (79.8) | 5.06 (128.5) | 3.25 (82.6) | 4.63 (117.6) | 0.38 (9.7) | 1.33 (33.8) | 5.00 (127.0) | 1.00 (25.4) | 0.09 (2.3) | |
| 4 x 2 (101.6) (50.8) | 4.14 (105.2) | 2.06 (52.3) | 4.25 (108.0) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 2.00 (50.8) | 1.50 (38.1) | 0.07 (1.8) | |
| 4 x 3 (101.6) (76.2) | 4.14 (105.2) | 3.06 (77.7) | 4.25 (108.0) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 1.50 (38.1) | 0.07 (1.8) | |
| 4 x 4 (101.6) (101.6) | 4.14 (105.2) | 4.06 (103.1) | 4.25 (108.0) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.50 (38.1) | 0.08 (2.0) | |
| 4 x 5 (101.6) (127.0) | 4.14 (105.2) | 5.06 (128.5) | 4.25 (108.0) | 4.63 (117.6) | 0.38 (9.7) | 1.33 (33.8) | 5.00 (127.0) | 1.50 (38.1) | 0.09 (2.3) | |

PANDUCT® Type H Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service (see page footnote) for specific dimensional needs.

| DUCT SIZE (W x H) | DIMENSIONS-Inches (mm) | | | | | | | | |
|----------------------------|------------------------|----------------|-----------------|----------------|---------------|----------------|-----------------|----------------|---------------|
| | A | B | C | D | E | F | H | K | T |
| 1.5 x 2 (38.1) x (50.8) | 1.75 (44.5) | 1.98 (50.3) | 1.88 (47.8) | 1.63 (41.4) | 0.31 (7.9) | 0.80 (20.3) | 1.92 (48.8) | 1.00 | 0.08 (2.0) |
| 1.5 x 3 (38.1) x (76.2) | 1.75 (44.5) | 3.06 (77.7) | 1.88 (47.8) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | | 0.10 (2.5) |
| 2 x 2 (50.8) x (50.8) | 2.17 (55.1) | 1.98 (50.3) | 2.29 (58.2) | 1.57 (39.9) | 0.31 (7.9) | 0.80 (20.3) | 1.92 (48.8) | 0.50 (12.7) | 0.08 (2.0) |
| 2 x 3 (50.8) x (76.2) | 2.17 (55.1) | 3.06 (77.7) | 2.29 (58.2) | 2.63 (66.8) | 0.31 (7.9) | 0.50 (12.7) | 3.00 (76.2) | 0.50 (12.7) | 0.10 (2.5) |
| 2 x 4 (50.8) x (101.6) | 2.17 (55.1) | 4.1 (104.1) | 4.38 (111.3) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 0.50 (12.7) | 0.10 (2.7) |
| 3 x 3 (76.2) x (76.2) | 3.25 (82.6) | 3.06 (77.7) | 3.38 (85.9) | 2.63 (66.8) | 0.31 (7.9) | 1.00 (25.4) | 3.00 (76.2) | 1.00 (25.4) | 0.10 (2.5) |
| 3 x 4 (76.2) x (101.6) | 3.25 (82.6) | 4.1 (104.1) | 3.38 (85.9) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.00 (25.4) | 0.11 (2.8) |
| 4 x 4 (101.6) x (101.6) | 4.25 (108.0) | 4.1 (104.1) | 4.38 (111.3) | 3.63 (92.2) | 0.31 (7.9) | 1.00 (25.4) | 4.00 (101.6) | 1.50 (38.1) | 0.11 (2.8) |

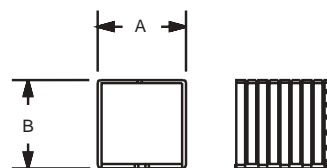
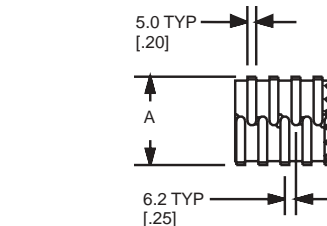


PANDUCT® Type FL Wiring Duct Dimensions

Dimensions are shown for reference only. Dimensions are in mm (in.). Contact customer service (see page footnote) for specific dimensional needs.

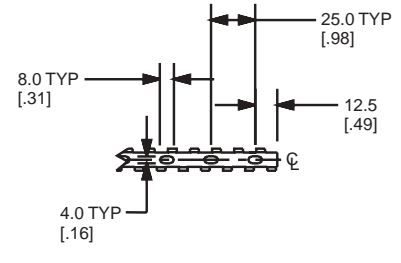
| DUCT SIZE (W x H) | DIMENSIONS-mm (Inches) | |
|----------------------------|------------------------|----------------|
| | A | B |
| 12 x 12 (0.47) x (0.47) | 12.5 (0.49) | 12.5 (0.49) |
| 25 x 25 (0.98) x (0.98) | 25.0 (0.98) | 25.0 (0.98) |
| 50 x 50 (1.97) x (1.97) | 50.0 (1.97) | 50.0 (1.97) |

Note: Type FL Duct has factory applied adhesive. For 50 x 50 two strips of tape are used; otherwise, only one strip is centered on the part.

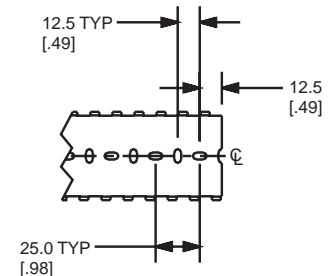


Note: 'B' dimension is without adhesive.

Mounting Hole Dimensions For FL12X12LG-A



For FL25X25LG-A & FL50X50LG-A



Wiring Duct *Technical Info*

PANDUCT® Type D, G, F & FS Wiring Duct — Wirefill Capacity

| NOMINAL DUCT SIZE (W x H) inches | NOMINAL AREA in ² | ELECTRICAL | | | | | | | | | | | COMMUNICATION | | | | | | | |
|----------------------------------|------------------------------|------------|------|--------|------|--------|------|--------|------|------|--------|---------------|---------------|--------|--------|------|---------------|--------------|--------|--|
| | | 8 AWG | | 10 AWG | | 12 AWG | | 14 AWG | | | 16 AWG | | 18 AWG | | 22 AWG | | | 24 AWG | | |
| | | .216 | .153 | .122 | .158 | .105 | .139 | .165 | .096 | .125 | .084 | .113 | .065 | .217 | .250 | .422 | UTP/CM CAT 5e | STP/CM CAT 6 | UTP/CM | |
| THHN | THHN | THHN | MTW | THHN | MTW | MTW | TFFN | MTW | TFFN | MTW | MTW | UTP/CM CAT 5e | STP/CM CAT 6 | UTP/CM | | | | | | |
| .5 x .5 | .250 | 3 | 6 | 10 | 6 | 13 | 7 | 5 | 16 | 9 | 20 | 11 | 34 | 3 | 2 | 1 | | | | |
| .5 x 1 | .500 | 6 | 12 | 19 | 11 | 26 | 15 | 10 | 31 | 18 | 40 | 22 | 68 | 6 | 5 | 2 | | | | |
| .5 x 2 | 1.000 | 12 | 24 | 38 | 23 | 52 | 30 | 21 | 62 | 37 | 81 | 45 | 135 | 12 | 9 | 3 | | | | |
| .75 x .75 | .563 | 7 | 14 | 22 | 13 | 29 | 17 | 12 | 35 | 21 | 46 | 25 | 76 | 7 | 5 | 2 | | | | |
| .75 x 1 | .750 | 9 | 18 | 29 | 17 | 39 | 22 | 16 | 47 | 27 | 61 | 34 | 101 | 9 | 7 | 2 | | | | |
| .75 x 1.5 | 1.125 | 14 | 27 | 43 | 26 | 58 | 33 | 24 | 70 | 41 | 91 | 50 | 152 | 14 | 10 | 4 | | | | |
| .75 x 2 | 1.500 | 18 | 37 | 58 | 34 | 78 | 44 | 31 | 93 | 55 | 121 | 67 | 203 | 18 | 14 | 5 | | | | |
| 1 x 1 | 1.000 | 12 | 24 | 38 | 23 | 52 | 30 | 21 | 62 | 37 | 81 | 45 | 135 | 12 | 9 | 3 | | | | |
| 1 x 1.5 | 1.500 | 18 | 37 | 58 | 34 | 78 | 44 | 31 | 93 | 55 | 121 | 67 | 203 | 18 | 14 | 5 | | | | |
| 1 x 2 | 2.000 | 24 | 49 | 77 | 46 | 104 | 59 | 42 | 124 | 73 | 162 | 90 | 270 | 24 | 18 | 6 | | | | |
| 1 x 3 | 3.000 | 37 | 73 | 115 | 69 | 155 | 89 | 63 | 186 | 110 | 243 | 134 | 406 | 36 | 27 | 10 | | | | |
| 1 x 4 | 4.000 | 49 | 98 | 154 | 92 | 207 | 118 | 84 | 248 | 146 | 324 | 179 | 541 | 49 | 37 | 13 | | | | |
| 1.5 x 1 | 1.500 | 18 | 37 | 58 | 34 | 78 | 44 | 31 | 93 | 55 | 121 | 67 | 203 | 18 | 14 | 5 | | | | |
| 1.5 x 1.5 | 2.250 | 28 | 55 | 86 | 52 | 117 | 67 | 47 | 140 | 82 | 182 | 101 | 304 | 27 | 21 | 7 | | | | |
| 1.5 x 2 | 3.000 | 37 | 73 | 115 | 69 | 155 | 89 | 63 | 186 | 110 | 243 | 134 | 406 | 36 | 27 | 10 | | | | |
| 1.5 x 3 | 4.500 | 55 | 110 | 173 | 103 | 233 | 133 | 94 | 279 | 165 | 364 | 201 | 609 | 55 | 41 | 14 | | | | |
| 1.5 x 4 | 6.000 | 73 | 146 | 230 | 137 | 311 | 177 | 126 | 372 | 219 | 486 | 269 | 811 | 73 | 55 | 19 | | | | |
| 2 x 1 | 2.000 | 24 | 49 | 77 | 46 | 104 | 59 | 42 | 124 | 73 | 162 | 90 | 270 | 24 | 18 | 6 | | | | |
| 2 x 1.5 | 3.000 | 37 | 73 | 115 | 69 | 155 | 89 | 63 | 186 | 110 | 243 | 134 | 406 | 36 | 27 | 10 | | | | |
| 2 x 2 | 4.000 | 49 | 98 | 154 | 92 | 207 | 118 | 84 | 248 | 146 | 324 | 179 | 541 | 49 | 37 | 13 | | | | |
| 2 x 3 | 6.000 | 73 | 146 | 230 | 137 | 311 | 177 | 126 | 372 | 219 | 486 | 269 | 811 | 73 | 55 | 19 | | | | |
| 2 x 4 | 8.000 | 98 | 195 | 307 | 183 | 415 | 237 | 168 | 496 | 293 | 648 | 358 | 1082 | 97 | 73 | 26 | | | | |
| 2 x 5 | 10.000 | 122 | 244 | 384 | 229 | 518 | 296 | 210 | 620 | 366 | 810 | 448 | 1352 | 121 | 91 | 32 | | | | |
| 2.5 x 3 | 7.500 | 92 | 183 | 288 | 172 | 389 | 222 | 157 | 465 | 274 | 607 | 336 | 1014 | 91 | 69 | 24 | | | | |
| 3 x 1 | 3.000 | 37 | 73 | 115 | 69 | 155 | 89 | 63 | 186 | 110 | 243 | 134 | 406 | 36 | 27 | 10 | | | | |
| 3 x 2 | 6.000 | 73 | 146 | 230 | 137 | 311 | 177 | 126 | 372 | 219 | 486 | 269 | 811 | 73 | 55 | 19 | | | | |
| 3 x 3 | 9.000 | 110 | 220 | 346 | 206 | 466 | 266 | 189 | 558 | 329 | 729 | 403 | 1217 | 109 | 82 | 29 | | | | |
| 3 x 4 | 12.000 | 147 | 293 | 461 | 275 | 622 | 355 | 252 | 744 | 439 | 972 | 537 | 1623 | 146 | 110 | 39 | | | | |
| 3 x 5 | 15.000 | 184 | 366 | 576 | 343 | 777 | 444 | 315 | 930 | 549 | 1215 | 671 | 2029 | 182 | 137 | 48 | | | | |
| 4 x 1.5 | 6.000 | 73 | 146 | 230 | 137 | 311 | 177 | 126 | 372 | 319 | 486 | 269 | 811 | 73 | 55 | 19 | | | | |
| 4 x 2 | 8.000 | 98 | 195 | 307 | 183 | 415 | 237 | 168 | 496 | 293 | 648 | 358 | 1082 | 97 | 73 | 26 | | | | |
| 4 x 3 | 12.000 | 147 | 293 | 461 | 275 | 622 | 355 | 252 | 744 | 439 | 972 | 537 | 1623 | 146 | 110 | 39 | | | | |
| 4 x 4 | 16.000 | 196 | 391 | 614 | 366 | 829 | 473 | 336 | 992 | 585 | 1296 | 716 | 2164 | 194 | 146 | 51 | | | | |
| 4 x 5 | 20.000 | 245 | 488 | 768 | 458 | 1037 | 592 | 420 | 1240 | 731 | 1620 | 895 | 2705 | 243 | 183 | 64 | | | | |
| 6 x 4 | 24.000 | 294 | 586 | 921 | 549 | 1244 | 710 | 504 | 1488 | 878 | 1944 | 1074 | 3246 | 291 | 219 | 77 | | | | |

Not all sizes available for each duct type.
See **page F14** for wiring duct color and size availability.
Wirefill is based on 50% cross-sectional area.

Formula used to calculate fill capacity:

$$\text{Number of Wires} = \frac{\text{Duct W x H}}{1.75 \times (\text{Wire O.D.})^2}$$

See **page F11** for explanation of wirefill formula.

Formula to approximate wiring duct size needed:

Wire O.D. for multiple wire types:

$$\text{Wire O.D.} = \frac{\sum (\text{Number of Wires} \times \text{Wire O.D.})}{\text{Number of Wires}}$$

Example:
15 wires with .165" O.D. = 15 x .165 = 2.475
28 wires with .065" O.D. = 28 x .065 = 1.820
16 wires with .125" O.D. = 16 x .125 = 2.000
59 total wires = 6.295

$$6.295 \div 59 = \text{Wire O.D.} = \boxed{.107}$$

- Determine the **number of wires** the duct will need to contain.
- Determine the **wire outside diameter** (for multiple wires see formula at left).
- Calculate the necessary **wire area** using the following formula:

$$\text{Wire Area} = \text{Number of Wires} \times [1.75 \times (\text{Wire O.D.})^2]$$

Example: Wire Area = 59 x [1.75 x (.107)²] = 59 x .020 = 1.182

- Choose a Duct** with W x H equal to or greater than the result from step 3.

$$\text{Area of Selected Duct} \geq \text{Calculated Wire Area}$$

Example: For Duct Size .75" x 1.5" Duct Area = .75 x 1.5 = 1.125 sq. in.
(No good 1.125 < 1.182)
For Duct Size 1.5" x 1" Duct Area = 1.5 x 1 = 1.1500 sq. in.
(Good 1.500 > 1.182)

In the above example 1" x 1.5" duct or larger could also be used.

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PANDUCT® Type MC, NNC & TMC Wiring Duct — Wirefill Capacity

| NOMINAL DUCT SIZE (W x H) mm. | NOMINAL AREA mm ² | ELECTRICAL | | | | | | | | | | | COMMUNICATION | | | | | |
|-------------------------------|------------------------------|------------|------|--------|------|--------|------|--------|------|------|--------|------|---------------|---------------|--------------|--------|--|--|
| | | 8 AWG | | 10 AWG | | 12 AWG | | 14 AWG | | | 16 AWG | | 18 AWG | | 22 AWG | 24 AWG | | |
| | | .216 | .153 | .122 | .158 | .105 | .139 | .165 | .096 | .125 | .084 | .113 | .065 | .217 | .250 | .422 | | |
| | | THHN | THHN | THHN | MTW | THHN | MTW | MTW | THHN | MTW | THHN | MTW | MTW | UTP/CM CAT 5e | STP/CM CAT 6 | UTP/CM | | |
| 25 x 25 | 625 | 12 | 24 | 37 | 22 | 50 | 29 | 20 | 60 | 35 | 78 | 43 | 131 | 12 | 9 | 3 | | |
| 25 x 37 | 925 | 18 | 35 | 55 | 33 | 74 | 42 | 30 | 89 | 52 | 116 | 64 | 194 | 17 | 13 | 5 | | |
| 25 x 50 | 1250 | 24 | 47 | 74 | 44 | 100 | 57 | 41 | 120 | 71 | 157 | 87 | 262 | 24 | 18 | 6 | | |
| 25 x 62 | 1550 | 29 | 59 | 92 | 55 | 125 | 71 | 50 | 149 | 88 | 195 | 108 | 325 | 29 | 22 | 8 | | |
| 25 x 75 | 1875 | 36 | 71 | 112 | 67 | 151 | 86 | 61 | 180 | 106 | 235 | 130 | 393 | 35 | 27 | 9 | | |
| 37 x 37 | 1369 | 26 | 52 | 81 | 49 | 110 | 63 | 45 | 132 | 78 | 172 | 95 | 287 | 26 | 19 | 7 | | |
| 37 x 50 | 1850 | 35 | 70 | 110 | 66 | 149 | 85 | 60 | 178 | 105 | 232 | 128 | 388 | 35 | 26 | 9 | | |
| 37 x 62 | 2294 | 44 | 87 | 136 | 81 | 184 | 105 | 75 | 220 | 130 | 288 | 159 | 481 | 43 | 33 | 11 | | |
| 37 x 75 | 2775 | 53 | 105 | 165 | 98 | 223 | 127 | 90 | 267 | 157 | 348 | 193 | 582 | 52 | 39 | 14 | | |
| 50 x 50 | 2500 | 47 | 95 | 149 | 89 | 201 | 115 | 81 | 240 | 142 | 314 | 173 | 524 | 47 | 35 | 12 | | |
| 50 x 75 | 3750 | 71 | 142 | 223 | 133 | 301 | 172 | 122 | 360 | 213 | 471 | 260 | 786 | 71 | 53 | 19 | | |
| 50 x 100 | 5000 | 95 | 189 | 298 | 177 | 402 | 229 | 163 | 481 | 283 | 628 | 347 | 1048 | 94 | 71 | 25 | | |
| 62 x 37 | 2294 | 44 | 87 | 136 | 81 | 184 | 105 | 75 | 220 | 130 | 288 | 159 | 481 | 43 | 33 | 11 | | |
| 62 x 62 | 3844 | 73 | 145 | 229 | 136 | 309 | 176 | 125 | 369 | 218 | 483 | 267 | 806 | 72 | 54 | 19 | | |
| 75 x 50 | 3750 | 71 | 142 | 223 | 133 | 301 | 172 | 122 | 360 | 213 | 471 | 260 | 786 | 71 | 53 | 19 | | |
| 75 x 62 | 4650 | 88 | 176 | 277 | 165 | 374 | 213 | 151 | 447 | 264 | 584 | 323 | 975 | 87 | 66 | 23 | | |
| 75 x 75 | 5625 | 107 | 213 | 335 | 200 | 452 | 258 | 183 | 541 | 319 | 706 | 390 | 1179 | 106 | 80 | 28 | | |
| 75 x 100 | 7500 | 142 | 284 | 446 | 266 | 603 | 344 | 244 | 721 | 425 | 941 | 520 | 1572 | 141 | 106 | 37 | | |
| 100 x 50 | 5000 | 95 | 189 | 298 | 177 | 402 | 229 | 163 | 481 | 283 | 628 | 347 | 1048 | 94 | 71 | 25 | | |
| 100 x 62 | 6200 | 118 | 235 | 369 | 220 | 498 | 284 | 202 | 596 | 351 | 778 | 430 | 1300 | 117 | 88 | 31 | | |
| 100 x 75 | 7500 | 142 | 284 | 446 | 266 | 603 | 344 | 244 | 721 | 425 | 941 | 520 | 1572 | 141 | 106 | 37 | | |
| 100 x 100 | 10000 | 190 | 378 | 595 | 355 | 803 | 458 | 325 | 961 | 567 | 1255 | 694 | 2096 | 188 | 142 | 50 | | |

Not all sizes available for each duct type.
See page F14 for wiring duct color and size availability.
Wirefill is based on 50% cross-sectional area.

PANDUCT® Type H Wiring Duct — Wirefill Capacity

| NOMINAL DUCT SIZE (W X H) inches | NOMINAL AREA in ² | ELECTRICAL | | | | | | | | | | | NETWORK CABLES | | | | | |
|----------------------------------|------------------------------|------------|------|--------|------|--------|------|--------|------|------|--------|------|----------------|---------------|--------------|--------|--|--|
| | | 8 AWG | | 10 AWG | | 12 AWG | | 14 AWG | | | 16 AWG | | 18 AWG | | 22 AWG | 24 AWG | | |
| | | .216 | .153 | .122 | .158 | .105 | .139 | .165 | .096 | .125 | .084 | .113 | .065 | .217 | .250 | .422 | | |
| | | THHN | THHN | THHN | MTW | THHN | MTW | MTW | THHN | MTW | THHN | MTW | MTW | UTP/CM CAT 5e | UTP/CM CAT 6 | UTP/CM | | |
| 1.5 X 2 | 3.000 | 34 | 69 | 108 | 64 | 147 | 83 | 59 | 175 | 103 | 229 | 126 | 383 | 34 | 25 | 9 | | |
| 1.5 X 3 | 4.500 | 52 | 103 | 163 | 97 | 220 | 125 | 89 | 263 | 155 | 344 | 190 | 575 | 51 | 38 | 13 | | |
| 2 X 2 | 4.000 | 46 | 92 | 145 | 86 | 196 | 111 | 79 | 234 | 138 | 306 | 169 | 511 | 45 | 34 | 12 | | |
| 2 X 3 | 6.000 | 69 | 138 | 217 | 129 | 294 | 167 | 119 | 351 | 207 | 459 | 253 | 767 | 68 | 51 | 18 | | |
| 2 X 4 | 8.000 | 92 | 184 | 290 | 173 | 392 | 223 | 158 | 469 | 276 | 612 | 338 | 1023 | 91 | 69 | 24 | | |
| 3 X 3 | 9.000 | 104 | 207 | 326 | 194 | 441 | 251 | 178 | 527 | 311 | 689 | 380 | 1151 | 103 | 77 | 27 | | |
| 3 X 4 | 12.000 | 139 | 277 | 435 | 259 | 588 | 335 | 238 | 703 | 415 | 919 | 507 | 1535 | 137 | 103 | 36 | | |
| 4 X 4 | 16.000 | 185 | 369 | 581 | 346 | 784 | 447 | 317 | 938 | 553 | 1225 | 677 | 2047 | 183 | 138 | 48 | | |

Wirefill is based on 50% cross-sectional area.

PANDUCT® Type FL Wiring Duct — Wirefill Capacity

| NOMINAL DUCT SIZE (W x H) mm | NOMINAL AREA mm ² | ELECTRICAL | |
|------------------------------|------------------------------|------------|--------|
| | | 10 AWG | 12 AWG |
| | | .153 | .122 |
| | | THHN | THHN |
| 12 x 12 | 144 | 3 | 5 |
| 25 x 25 | 625 | 12 | 19 |
| 50 x 50 | 2500 | 43 | 67 |

Wirefill is based on 50% cross-sectional area.

Wiring Duct *Technical Info*

PANDUCT® Type NE Wiring Duct — Wirefill Capacity

Control Panel

Special Environment

Data & Voice

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| NOMINAL DUCT SIZE (W x H) inches | NOMINAL AREA in ² | ELECTRICAL | | | | | | | | | | | COMMUNICATION | | | | |
|----------------------------------|------------------------------|------------|------|--------|------|--------|------|--------|------|------|--------|------|---------------|---------------|--------------|--------|--|
| | | 8 AWG | | 10 AWG | | 12 AWG | | 14 AWG | | | 16 AWG | | 18 AWG | | 24 AWG | | |
| | | .216 | .153 | .122 | .158 | .105 | .139 | .165 | .096 | .125 | .084 | .113 | .065 | .217 | .250 | .422 | |
| | | THHN | THHN | THHN | MTW | THHN | MTW | MTW | TFFN | MTW | TFFN | MTW | MTW | UTP/CM CAT 5e | STP/CM CAT 6 | UTP/CM | |
| .5 x .5 | .250 | 3 | 5 | 8 | 5 | 11 | 6 | 5 | 14 | 8 | 18 | 10 | 30 | 3 | 2 | 1 | |
| .5 x 1 | .500 | 5 | 11 | 17 | 10 | 23 | 13 | 9 | 27 | 16 | 35 | 20 | 59 | 5 | 4 | 1 | |
| 1 x 1 | 1.000 | 11 | 21 | 34 | 20 | 45 | 26 | 18 | 54 | 32 | 71 | 39 | 118 | 11 | 8 | 3 | |
| 1 x 1.5 | 1.500 | 16 | 32 | 50 | 30 | 68 | 39 | 28 | 81 | 48 | 106 | 59 | 178 | 16 | 12 | 4 | |
| 1 x 2 | 2.000 | 21 | 43 | 67 | 40 | 91 | 52 | 37 | 109 | 64 | 142 | 78 | 237 | 21 | 16 | 6 | |
| 1 x 3 | 3.000 | 32 | 64 | 101 | 60 | 136 | 78 | 55 | 163 | 96 | 213 | 117 | 355 | 32 | 24 | 8 | |
| 1 x 4 | 4.000 | 43 | 85 | 134 | 80 | 181 | 104 | 73 | 217 | 128 | 283 | 157 | 473 | 42 | 32 | 11 | |
| 1.5 x 1.5 | 2.250 | 24 | 48 | 76 | 45 | 102 | 58 | 41 | 122 | 72 | 159 | 88 | 266 | 24 | 18 | 6 | |
| 1.5 x 2 | 3.000 | 32 | 64 | 101 | 60 | 136 | 78 | 55 | 163 | 96 | 213 | 117 | 355 | 32 | 24 | 8 | |
| 1.5 x 3 | 4.500 | 48 | 96 | 151 | 90 | 204 | 116 | 83 | 244 | 144 | 319 | 176 | 533 | 48 | 36 | 13 | |
| 1.5 x 4 | 6.000 | 64 | 128 | 202 | 120 | 272 | 155 | 110 | 326 | 192 | 425 | 235 | 710 | 64 | 48 | 17 | |
| 2 x 1 | 2.000 | 21 | 43 | 67 | 40 | 91 | 52 | 37 | 109 | 64 | 142 | 78 | 237 | 21 | 16 | 6 | |
| 2 x 2 | 4.000 | 43 | 85 | 134 | 80 | 181 | 104 | 73 | 217 | 128 | 283 | 157 | 473 | 42 | 32 | 11 | |
| 2 x 3 | 6.000 | 64 | 128 | 202 | 120 | 272 | 155 | 110 | 326 | 192 | 425 | 235 | 710 | 64 | 48 | 17 | |
| 2 x 4 | 8.000 | 86 | 171 | 269 | 160 | 363 | 207 | 147 | 434 | 256 | 567 | 313 | 947 | 85 | 64 | 22 | |
| 2.5 x 3 | 7.500 | 80 | 160 | 252 | 150 | 340 | 194 | 138 | 407 | 240 | 531 | 294 | 888 | 80 | 60 | 21 | |
| 3 x 1 | 3.000 | 32 | 64 | 101 | 60 | 136 | 78 | 55 | 163 | 96 | 213 | 117 | 355 | 32 | 24 | 8 | |
| 3 x 2 | 6.000 | 64 | 128 | 202 | 120 | 272 | 155 | 110 | 326 | 192 | 425 | 235 | 710 | 64 | 48 | 17 | |
| 3 x 3 | 9.000 | 96 | 192 | 302 | 180 | 408 | 233 | 165 | 488 | 288 | 638 | 352 | 1065 | 96 | 72 | 25 | |
| 3 x 4 | 12.000 | 129 | 256 | 403 | 240 | 544 | 311 | 220 | 651 | 384 | 850 | 470 | 1420 | 127 | 96 | 34 | |
| 3 x 5 | 15.000 | 161 | 320 | 504 | 300 | 680 | 388 | 275 | 814 | 480 | 1063 | 587 | 1775 | 159 | 120 | 42 | |
| 4 x 2 | 8.000 | 86 | 171 | 269 | 160 | 363 | 207 | 147 | 434 | 256 | 567 | 313 | 947 | 85 | 64 | 22 | |
| 4 x 3 | 12.000 | 129 | 256 | 403 | 240 | 544 | 311 | 220 | 651 | 384 | 850 | 470 | 1420 | 127 | 96 | 34 | |
| 4 x 4 | 16.000 | 171 | 342 | 537 | 320 | 726 | 414 | 294 | 868 | 512 | 1134 | 627 | 1893 | 170 | 128 | 45 | |
| 4 x 5 | 20.000 | 214 | 427 | 672 | 401 | 907 | 518 | 367 | 1085 | 640 | 1417 | 783 | 2367 | 212 | 160 | 56 | |

Wirefill is based on 50% cross-sectional area.

Formula used to calculate fill capacity: Number of Wires = $\frac{\text{Duct W x H}}{2.00 \times (\text{Wire O.D.})^2}$

See [page F11](#) for explanation of wirefill formula.

Formula to approximate wiring duct size needed:

Wire O.D. for multiple wire types:

$$\text{Wire O.D.} = \frac{\sum (\text{Number of Wires} \times \text{Wire O.D.})}{\text{Number of Wires}}$$

Example:

15 wires with .165" O.D. = 15 x .165 = 2.475
 28 wires with .065" O.D. = 28 x .065 = 1.820
 16 wires with .125" O.D. = 16 x .125 = 2.000
59 total wires = 6.295

6.295 ÷ 59 = Wire O.D. = .107

1. Determine the **number of wires** the duct will need to contain.
2. Determine the **wire outside diameter** (for multiple wires see formula at left).
3. Calculate the necessary **wire area** using the following formula:

$$\text{Wire Area} = \text{Number of Wires} \times [2 \times (\text{Wire O.D.})^2]$$

Example: *Wire Area* = 59 x [2 x (.107)²] = 59 x .020 = **1.357**

4. **Choose a Duct** with W x H equal to or greater than the result from step 3.

$$\text{Area of Selected Duct} \geq \text{Calculated Wire Area}$$

Example: For Duct Size .75" x 1.5" Duct Area = .75 x 1.5 = 1.125 sq. in.
 (No good 1.125 < 1.357)
 For Duct Size 1.5" x 1" Duct Area = 1.5 x 1 = 1.500 sq. in.
 (Good 1.500 > 1.357)

In the above example 1" x 1.5" duct or larger could also be used.

Wirefill Formula (Flush cover duct Types G, F, FS, D, H, MC, NNC, & TMC)

General Formula

PANDUIT® Wiring Duct wirefills are calculated using the following general formula:

$$50\% \text{ Wirefill} = 50\% \text{ of } \left(\frac{\text{Usable Duct Area}}{\text{Wire Area}} \right)$$

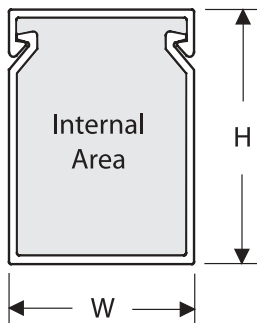
Why use a 50% Wirefill?

As specified in NFPA79-2002 section 14.5.2, *Percentage Fills of Raceways (Ducts)*, a 50% wirefill is given as the maximum wirefill capacity in all PANDUIT® Wiring Ducts. This helps ensure general safe wiring practices are followed. In actual practice, a 50% wirefill is the maximum amount of wiring the duct can hold given the additional airspace created between cables by non-uniform cable shapes, cable interlacing and cable packing factors.

What is the Usable Duct Area?

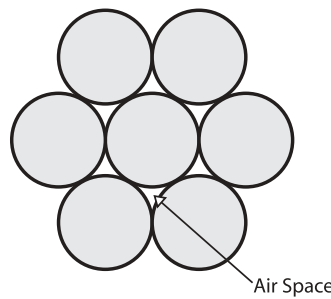
The usable area we define as the calculation of internal area that can be occupied by wires or cables.

Calculation of Internal Area



Since we use the outer channel dimensions in our calculation we make an adjustment in our formula for the thickness of material and for design elements that extend inside the channel.

Air Space Allotment



In our wirefill formula an adjustment is made to the channel internal area to account for “unusable” air space that will be present between cables when placed in the channel. Our formula assumes a uniform close packed or high-density cable arrangement (see diagram).¹

Considering these factors the usable duct area is equal to an average of 90% of the nominal area, or $(W \times H) \times .90$.

Wire Area

The wire area formula is converted to allow calculation using the cable diameter:

$$\begin{aligned} A_{\text{WIRE}} &= \pi r^2 \\ A_{\text{WIRE}} &= (\pi/4) \times D^2 \\ A_{\text{WIRE}} &= .785 \times D^2 \end{aligned}$$

Formula Derivation

Inserting the elements from above into the general formula results in the following:

$$50\% \text{ Wirefill} = .50 \left(\frac{(W \times H) \times 0.90}{.785 \times D^2} \right)$$

Simplifying this formula results in the formula used for wire fill calculation²:

$$50\% \text{ Wirefill} = \left(\frac{W \times H}{1.75 \times D^2} \right)$$

NOTE: When calculating wirefill capacity using the above formula, variables W, H, and D must be expressed in same units (i.e. mm or inches).

¹ This calculation does not account for additional airspace created between cables by non-uniform cable shapes, cable interlacing and cable packing factors.

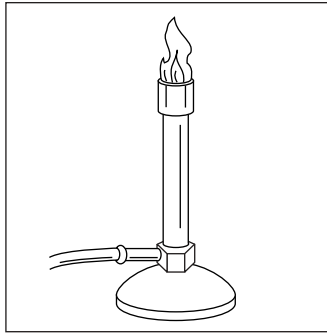
² The resulting formula is used for all PANDUIT® Flush Cover Ducts, this excludes Type NE duct which has a different profile design that results in a divisor of $2.0 \times D^2$ (rather than $1.75 \times D^2$ as shown here) to be used in the wirefill calculation formula.

Wiring Duct *Technical Info*

PANDUCT® Wiring Duct and Raceway — UL94 Vertical Burn Test*

Flammability

This test method measures the comparative burning characteristics of solid plastic materials.



UL Vertical Burning Test

Test samples measure 125mm by the 13mm by the minimum thickness of the end product. Tests are conducted utilizing unaged samples (as manufactured) and aged samples (7 days @70°C/158°F). A standard test flame is applied for two 10 second applications to the unsupported end of avertically clamped sample. The after-flame is recorded following the first flame application. Both after-flame and afterglow times are recorded following the second flame application. Also observed and documented are, if the sample drips flaming particles that ignite the cotton layer below.

Materials Classed V-0 Shall:

- After flame for each sample does not exceed 10 seconds following the removal of each flame application
- Total afterflame time for a set of five samples following both flame application is not greater than 50 seconds
- Afterflame plus afterglow time for each sample does not exceed 30 seconds following the second flame application
- The sample does not exhibit afterflame or afterglow up to the holding clamp
- The cotton indicator below the sample does not ignite from flaming particles or droplets from the test sample

Materials Classed V-1 Shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame
- Not have a total flaming combustion time exceeding 250 seconds for each set of five specimens
- Not have any specimens with glowing combustion, which persists for more than 60 seconds after the second removal of the test flame
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp
- Not have any specimens which drip flaming particles that ignite the cotton indicator below the test specimen

Materials Classed V-2 Shall:

- Not have any specimens which burn with flaming combustion for more than 30 seconds after either application of the test flame
- Not have a total flaming combustion time exceeding 250 seconds each set of five specimens
- Not have any specimens with glowing combustion which persists for more than 60 seconds after the second removal of the test flame
- Not have any specimens which burn with flaming or glowing combustion up to the holding clamp
- Be permitted to have specimens which drip flaming particles which ignite the cotton indicator below the test specimen

* The flammability rating determined from this method does not indicate its performance in end-user applications.

Wiring Duct *Technical Info*

PANDUCT® Wiring Duct and Raceway — Color and Size Selection

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| Duct Size W x H (inches) | LG Light Gray | | | | | | WH White | | | | | | DG Dark Gray | BL Black | IB Intrinsic Blue* | BR Beige | IG International Gray | | | | | |
|--------------------------------|------------------|---|----|---|---|--------------|-------------|---|----|----|------------|-------------|--------------------|-------------|--------------------------|-------------|-----------------------------|---|---|---|-------------|-------------|
| | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | | | |
| .5 x .5 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | | | |
| .5 x 1 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | | | |
| .5 x 2 | G | | | | | | G | | | | | | | | | | | | | | | |
| .5 x 4 | G | | | | | | G | | | | | | | | | | | | | | | |
| .75 x .75 | G | F | FS | | | | G | F | FS | | | | | | | | | | | | | |
| .75 x 1 | G | | | | | | G | | | | | | | | | | | | | | | |
| .75 x 1.5 | G | F | | | | | G | F | | | | | | | | | | | | | | |
| .75 x 2 | G | | | | | | G | | | | | | | | | | | | | | | |
| 1 x 1 | G | F | FS | | | NNC25X25mm | G | F | FS | NE | NNC25X25mm | G | G | | G | | MC25X25mm | | | | | |
| 1 x 1.5 | G | F | FS | | | NNC25X37mm | G | F | | NE | NNC25X37mm | G | G | | | TMC25X37mm | MC25X37mm | | | | | |
| 1 x 2 | G | F | | D | | NNC25X50mm | G | F | | NE | NNC25X50mm | G | G | D | G | | MC25X50mm | | | | | |
| 1 x 2.5 | | | | | | | | | | | | | | | | | MC25X62mm | | | | | |
| 1 x 3 | G | F | FS | D | | NNC25X75mm | G | F | D | NE | NNC25X75mm | G | G | D | | | MC25X75mm | | | | | |
| 1 x 4 | G | F | | D | | | G | | D | NE | | | G | D | | | | | | | | |
| 1.5 x 1 | G | F | FS | | | | G | F | FS | | | | | | | | | | | | | |
| 1.5 x 1.5 | G | F | FS | | | NNC37X37mm | G | F | FS | NE | NNC37X37mm | | G | | | TMC37X37mm | MC37X37mm | | | | | |
| 1.5 x 2 | G | F | FS | D | H | NNC37X50mm | G | F | | NE | H | NNC37X50mm | G | G | D | H | MC37X50mm | | | | | |
| 1.5 x 2.5 | | | | | | | | | | | | | | | | | MC37X62mm | | | | | |
| 1.5 x 3 | G | F | FS | D | H | NNC37X75mm | G | F | D | NE | H | NNC37X75mm | G | G | D | H | MC37X75mm | | | | | |
| 1.5 x 4 | G | F | | D | | | G | F | D | NE | | | G | G | D | | | | | | | |
| 2 x 1 | G | F | FS | | | | G | F | FS | NE | | | | G | | | | | | | | |
| 2 x 1.5 | G | F | FS | | | | G | F | FS | | | | G | | | | | | | | | |
| 2 x 2 | G | F | FS | D | H | NNC50X50mm | G | F | FS | D | NE | H | NNC50X50mm | G | FS | G | FS | D | H | G | TMC50X50mm | MC50X50mm |
| 2 x 3 | G | F | FS | D | H | NNC50X75mm | G | F | FS | D | NE | H | NNC50X75mm | G | G | D | H | G | | | | MC50X75mm |
| 2 x 4 | G | F | | D | H | NNC50X100mm | G | F | | D | NE | H | NNC50X100mm | G | G | D | H | | | | | MC50X100mm |
| 2 x 5 | G | F | | | | | G | | | | | | G | | | | | | | | | |
| 2.5 x 1.5 | | | | | | | | | | | | | | | | | | | | | | MC62X37mm |
| 2.5 x 2.5 | | | | | | | | | | | | | | | | | | | | | | MC62X62mm |
| 2.5 x 3 | G | | | D | | | G | | | NE | | | | G | | | | | | | | |
| 3 x 1 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | | | |
| 3 x 2 | G | F | FS | D | | | G | F | FS | NE | | | G | G | FS | | | | | | TMC75X50mm | MC75X50mm |
| 3 x 2.5 | | | | | | | | | | | | | | | | | | | | | | MC75X62mm |
| 3 x 3 | G | F | FS | D | H | NNC75X75mm | G | F | FS | D | NE | H | NNC75X5mm | G | FS | G | FS | D | H | G | TMC75X75mm | MC75X75mm |
| 3 x 4 | G | F | FS | D | H | | G | F | FS | D | NE | H | | G | G | D | H | G | | | | MC75X100mm |
| 3 x 5 | G | F | FS | | | | G | F | FS | NE | | | | G | | | | | | | | |
| 4 x 1.5 | G | | FS | | | | G | | | | | | G | G | | | | | | | | |
| 4 x 2 | G | F | FS | D | | NNC100X50mm | G | F | FS | NE | | NNC100X50mm | | G | | D | | | | | TMC100X50mm | MC100X50mm |
| 4 x 2.5 | | | | | | | | | | | | | | | | | | | | | | MC100X62mm |
| 4 x 3 | G | F | FS | D | | NNC100X75mm | G | F | FS | NE | | NNC100X75mm | G | G | | | | | | | TMC100X75mm | MC100X75mm |
| 4 x 4 | G | F | FS | D | H | NNC100X100mm | G | F | FS | D | NE | H | NNC100X100mm | G | FS | G | FS | D | H | G | | MC100X100mm |
| 4 x 5 | G | F | FS | | | | G | F | | NE | | | | G | G | | | | | | | |
| 6 x 4 | G | | FS | | | | G | | | | | | G | | | | | | | | | |

*Intrinsic Blue Color — IB

Intrinsic Blue wiring duct is made from the same PVC material as our standard PVC duct. Intrinsic Blue is an internationally recognized standard blue color that identifies the wiring duct as “incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmospheric mixture in its most easily ignited concentrations.”

*ISA-RD12.6 (Instrument Society of America)

Wiring Duct *Technical Info*

PANDUCT® Wiring Duct and Raceway — Color and Size Selection

| Duct Size W x H (inches) | LG Light Gray | | | | | | WH White | | | | | | DG Dark Gray | BL Black | IB Intrinsic Blue* | BR Beige | IG International Gray | | | |
|--------------------------------|------------------|---|----|---|---|--------------|-------------|---|----|----|-------------|------------|--------------------|-------------|--------------------------|-------------|-----------------------------|-------------|------------|-------------|
| | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | |
| .5 x .5 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | |
| .5 x 1 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | |
| .5 x 2 | G | | | | | | G | | | | | | | | | | | | | |
| .5 x 4 | G | | | | | | G | | | | | | | | | | | | | |
| .75 x .75 | G | F | FS | | | | G | F | FS | | | | | | | | | | | |
| .75 x 1 | G | | | | | | G | | | | | | | | | | | | | |
| .75 x 1.5 | G | F | | | | | G | F | | | | | | | | | | | | |
| .75 x 2 | G | | | | | | G | | | | | | G | | | | | | | |
| 1 x 1 | G | F | FS | | | NNC25X25mm | G | F | FS | NE | NNC25X25mm | G | G | | G | | MC25X25mm | | | |
| 1 x 1.5 | G | F | FS | | | NNC25X37mm | G | F | FS | NE | NNC25X37mm | G | G | | | TMC25X37mm | MC25X37mm | | | |
| 1 x 2 | G | F | | D | | NNC25X50mm | G | F | | NE | NNC25X50mm | G | G | D | G | | MC25X50mm | | | |
| 1 x 2.5 | | | | | | | | | | | | | | | | | MC25X62mm | | | |
| 1 x 3 | G | F | FS | D | | NNC25X75mm | G | F | | D | NE | NNC25X75mm | G | G | D | | MC25X75mm | | | |
| 1 x 4 | G | F | | D | | | G | | | D | NE | | G | D | | | | | | |
| 1.5 x 1 | G | F | FS | | | | G | F | FS | | | | | | | | | | | |
| 1.5 x 1.5 | G | F | FS | | | NNC37X37mm | G | F | FS | NE | NNC37X37mm | | G | | | TMC37X37mm | MC37X37mm | | | |
| 1.5 x 2 | G | F | FS | D | H | NNC37X50mm | G | F | | NE | H | NNC37X50mm | G | G | D | H | MC37X50mm | | | |
| 1.5 x 2.5 | | | | | | | | | | | | | | | | | MC37X62mm | | | |
| 1.5 x 3 | G | F | FS | D | H | NNC37X75mm | G | F | | D | NE | NNC37X75mm | G | G | D | H | MC37X75mm | | | |
| 1.5 x 4 | G | F | | D | | | G | F | | D | NE | | G | G | D | | | | | |
| 2 x 1 | G | F | FS | | | | G | F | FS | NE | | | G | | | | | | | |
| 2 x 1.5 | G | F | FS | | | | G | F | FS | | | | G | | | | | | | |
| 2 x 2 | G | F | FS | D | H | NNC50X50mm | G | F | FS | D | NE | H | NNC50X50mm | G | FS | D | H | G | TMC50X50mm | MC50X50mm |
| 2 x 3 | G | F | FS | D | H | NNC50X75mm | G | F | FS | D | NE | H | NNC50X75mm | G | G | D | H | G | | MC50X75mm |
| 2 x 4 | G | F | | D | H | NNC50X100mm | G | F | | D | NE | H | NNC50X100mm | G | G | D | H | | | MC50X100mm |
| 2 x 5 | G | F | | | | | G | | | | | | G | | | | | | | |
| 2.5 x 1.5 | | | | | | | | | | | | | | | | | | | | MC62X37mm |
| 2.5 x 2.5 | | | | | | | | | | | | | | | | | | | | MC62X62mm |
| 2.5 x 3 | G | | | D | | | G | | | NE | | | G | | | | | | | |
| 3 x 1 | G | F | FS | | | | G | F | FS | NE | | | | | | | | | | |
| 3 x 2 | G | F | FS | D | | | G | F | FS | NE | | | G | G | FS | | | | TMC75X50mm | MC75X50mm |
| 3 x 2.5 | | | | | | | | | | | | | | | | | | | | MC75X62mm |
| 3 x 3 | G | F | FS | D | H | NNC75X75mm | G | F | FS | D | NE | H | NNC75X5mm | G | FS | D | H | G | TMC75X75mm | MC75X75mm |
| 3 x 4 | G | F | FS | D | H | | G | F | FS | D | NE | H | | G | G | D | H | | | MC75X100mm |
| 3 x 5 | G | F | FS | | | | G | F | FS | NE | | | G | | | | | | | |
| 4 x 1.5 | G | | FS | | | | G | | | | | | G | G | | | | | | |
| 4 x 2 | G | F | FS | D | | NNC100X50mm | G | F | FS | NE | NNC100X50mm | | G | D | | | | TMC100X50mm | MC100X50mm | |
| 4 x 2.5 | | | | | | | | | | | | | | | | | | | | MC100X62mm |
| 4 x 3 | G | F | FS | D | | NNC100X75mm | G | F | FS | NE | NNC100X75mm | G | G | | | | | TMC100X75mm | MC100X75mm | |
| 4 x 4 | G | F | FS | D | H | NNC100X100mm | G | F | FS | D | NE | H | NNC100X100mm | G | FS | D | H | G | | MC100X100mm |
| 4 x 5 | G | F | FS | | | | G | F | | NE | | | G | G | | | | | | |
| 6 x 4 | G | | FS | | | | G | | | | | | G | | | | | | | |

*Intrinsic Blue Color — IB

Intrinsic Blue wiring duct is made from the same PVC material as our standard PVC duct. Intrinsic Blue is an internationally recognized standard blue color that identifies the wiring duct as “incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmospheric mixture in its most easily ignited concentrations.”

*ISA-RD12.6 (Instrument Society of America)

Installation Tips:

Application of Latex Paint on PANDUCT® Wiring Duct



The following is recommended to properly prepare the surface of the wiring duct/raceway and covers for the best adhesion of latex paint:

1. Clean surface with mild soap and water solution or mineral spirits with a clean lint free towel. Allow to dry.
2. Using a sanding pad (such as synthetic stripping pad or medium/fine steel wool), slightly roughen the surface to be painted.
3. Apply a coat of all-purpose 100% Acrylic primer and allow to dry.
4. Apply the desired topcoat of latex paint and allow to dry.
5. Install the wiring duct/raceway and covers.

Cutting Wiring Duct and Cover

For small quantities, use the DCT Duct Cutting Tool on [page E14](#). For larger quantities use a miter cutting saw blade for clean burr-free cuts. Recommended Blade: *Carbide 80T or 100T; .90" thickness, .125 kerf.*

Recommended Precaution when Using Type NNC and NE Wiring Duct

Cleaning solvents and cutting fluids that contain any of the following chemical agents should not come in contact with Type NNC or Type NE wiring duct. These chemicals are known to cause stress cracking in the halogen free PPO material.

- Hydrocarbons
- Phenols
- Ketones
- Amines
- Ethers
- Organic, Inorganic and Oxidizing Acids
- Petrol

Note: PANDUIT® assumes no liability for the accuracy or completeness of this list.

Assured Quality

To assure optimum quality, PANDUIT® products are designed and manufactured to meet applicable international, UL and customer standards:



The International Standards Organization (ISO) establishes worldwide standards for products and services in recognition of increasing globalization of markets. ISO program sets up the requirements for quality assurance systems of these worldwide standards. PANDUIT® is registered to ISO 9001, the most comprehensive model in the standard, meant for companies who design, manufacture, install and service the products they sell. Registration has been awarded by Underwriters Laboratories (Certificate No. A2269) after extensive audit of QA systems employed at PANDUIT®.



ISO 14001 is a voluntary standard for Environmental Management Systems established by the International Standards Organization. The international standard provides a benchmark for continual improvement in environmental performance. Business partners can be confident that PANDUIT® manufacturing facilities around the globe are engaged in an on-going process to maximize value while minimizing impact on global natural resources.

Wiring Duct *Technical Info*

Agency Approvals



File No. E147128

All *PANDUIT*[®] wiring duct is recognized by Underwriters Laboratory as meeting the requirements set forth in UL Standard 1565 "Positioning Devices." Underwriters Laboratory is an independent, not-for-profit organization that investigates, tests and certifies thousands of products and materials for electrical safety.



File No. 016446, 210335

The Canadian Standards Association as meeting the applicable requirements in CSA Standard C22.2 No. 18.5 certifies all *PANDUIT*[®] wiring duct. The Canadian Standard Association is a not-for-profit association serving business, industry, government and consumers in Canada and the global marketplace.



Most *PANDUIT*[®] wiring duct carries the CE (Conformite European) Marking indicating it meets the essential requirements of all relevant European Directives.

Standards

***PANDUIT*[®] Wiring Duct Compliant with National Fire Protection Agency 79-2002**

PANDUIT[®] has completed material testing with compliant results per IEC 60332-1 test method (Tests on Electric Cables Under Fire Conditions). Results show *PANDUIT*[®] wiring ducts are manufactured with flame-retardant materials (as defined). This testing was required in order to comply with stricter requirements included in the NFPA-79-2002 Electrical Standard for Industrial Machinery. Section 14.3.1 in the standard states that "Nonmetallic ducts shall be permitted [inside enclosures] only when they are made with a flame-retardant material." Flame-retardant material is defined in the standard by the IEC 60332-1 test method.

As specified in NFPA79-2002 section 14.5.1.4, *PANDUIT*[®] Wiring Duct publishes a maximum percentage wire fill for common wire types equal to 50 percent of the interior cross-sectional area of the duct.

PANDUIT[®] bend radius control accessories can be mounted at right angle and tee junctions created using wiring duct in order to maintain cable bend radius control as is specified in NFPA79-2002 section 14.1.4.9.

***PANDUIT*[®] PVC Divider Wall Compliant with UL508/UL508A Standards for Industrial Equipment/ Industrial Control Panels**

Separation of circuits is required under certain installation practices within a control panel. As required in UL508/UL508A a factory-installed conductor shall be separated from a conductor used in a different circuit when the conductors are not insulated for the maximum voltage of either circuit. In an installation where separation utilizing the method of air spacing is not appropriate, an insulating barrier (such as wiring duct with divider wall) is allowed. The barrier shall be manufactured from an insulating material exhibiting minimum properties described in UL508, section 15. These properties include High Current Arc Resistance to Ignition (HAI), Hot Wire Ignition (HWI), Comparative Tracking Index (CTI), electrical Relative Thermal Index (RTI) and flame class.

PANDUIT[®] PVC divider wall material is compliant with UL508, section 15.

***PANDUIT*[®] Wiring Duct Compliant with DIN 43 659**

This European standard specifies dimensions for slotted trunkings that will be used in electrical switchgear assemblies and that conform to the corresponding requirements in DIN VDE 0660 Part 506. The dimensions specified within the standard include:

- The channel mounting hole pattern
- Mounting hole slot dimensions
- Mounting hole pitch and location
- The distance from first to last like size mounting hole
- Minimum overall product length

PANDUIT[®] Type MC, TMC, and NNC wiring duct conform to this standard.



PANDUCT® Wiring Duct
Alphanumeric Part Number Index

Table with 2 columns: Part Number, Page Number. Includes entries like ABM112-A-C .E11, ABM2S-A-C .E11, ABMM-A-C .E11, ABMT-A-C .D13, ABMT-A-C20 .D13, ABMT-S6-C .D13, ABMT-S6-C20 .D13.

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