WIRING DUCT

From the smallest wall mounted panels to the largest integrated turnkey systems PANDUIT® PANDUCT® Wiring Duct is the premium wire management solution for routing and concealing wiring in electrical control panels. PANDUCT® Wiring Ducts provide solutions for the Original Equipment Manufacturing, Transportation, Contract Manufacturing, Maintenance & Repair and Communications markets. All PANDUCT® Wiring Ducts are UL Recognized and CSA Certified and most carry the CE mark.
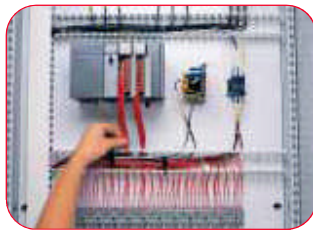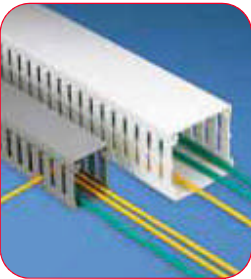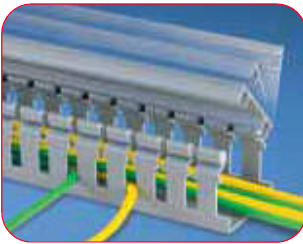
Some of the features and benefits found in PANDUCT® Wiring Duct include:

Smooth corners and edges that will not abrade wiring or irritate hands

Integrated nonskid liners and unique cover designs insure the duct cover will not slide once installed or during vibration

Specially formulated lead-free PVC material meets the NFPA79: 2002 flame retardancy requirements and carries a UL94V-0 flammability rating

Scorelines for easy removal of duct fingers and sidewalls

Accessories and tools that increase productivity and lower the installed cost

PANDUIT continues to develop new *PANDUCT®* Wiring Duct solutions to satisfy the challenges facing our customers worldwide. Now with additional sizes, Type H features a *PANDUIT* exclusive dual-sided hinging cover providing more convenient channel access and preventing lost covers for superior aesthetics. An alternative to traditional Noryl* ducts, Type NNC is halogen free, has a preferred UL94V-0 flammability rating and a UL continuous use temperature of up to 203°F (95°C). Type TMC Low Smoke and Low Toxicity Metric Wiring Duct is a narrow finger style that meets the flame, smoke and toxicity regulatory requirements for Mass Transit Rail applications.

*NORYL is a registered trademark of General Electric Company.

Wiring Duct for Control Panel Applications

A   **For information on FL Wiring Duct and other *PANDUCT*® Accessories (pages C1.24-C1.31)**

Wiring Duct for Control Panel Applications (continued)

(1) *PANDUCT*® **Type H Hinged Cover Wiring Duct**
(**pages C1.4 – C1.5**)
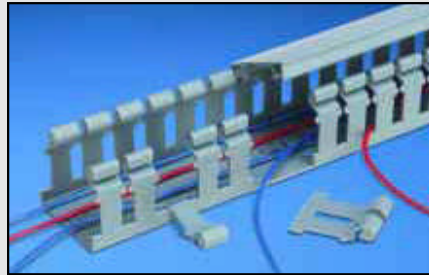
(2) *PANDUCT*® **Type F Narrow Slot Wiring Duct**
(**pages C1.8 – C1.9**)
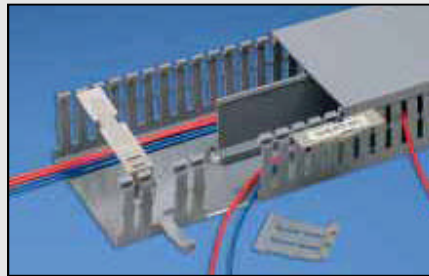
(3) *PANDUCT*® **Type G Wide Slot Wiring Duct**
(**pages C1.6 – C1.7**)
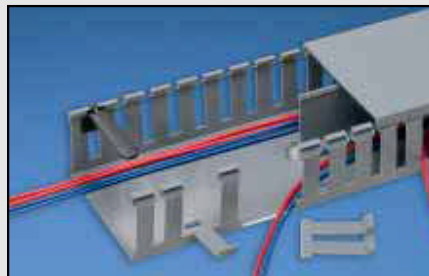
(4) *PANDUCT*® **Type MC Metric Wiring Duct**
(**pages C1.12 – C1.13**)
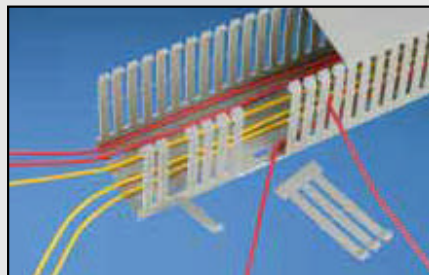
(5) *PANDUCT*® **Type D Flush Cover Round Hole Wiring Duct** (**pages C1.10 – C1.11**)
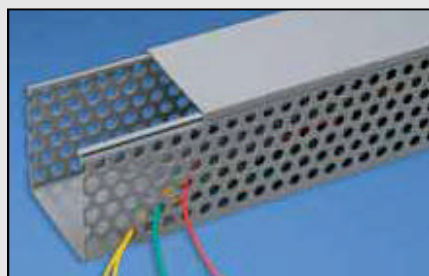
For service and technical support, call 800-777-3300 or visit www.panduit.com.

C1.3

Features and Benefits – *PANDUCT* ® **Type H – Hinged Cover Wiring Duct**

Available in eight sizes from 1.5" x 2" up to 4" x 4" in Light Gray, Black and White colors.

Dual-sided hinge cover opens up to 100° from either sidewall of duct for up to 20% faster wiring changes

Cover removal rib eases cover opening for quick channel access during wiring changes

Cover retention flange enables simple "push-on" installation saving time and hassle

Robust channel profile withstands a side impact force up to two times greater than conventional wiring duct

Upper and lower scoreline allows easy fingers and sidewall section removal saving installation time
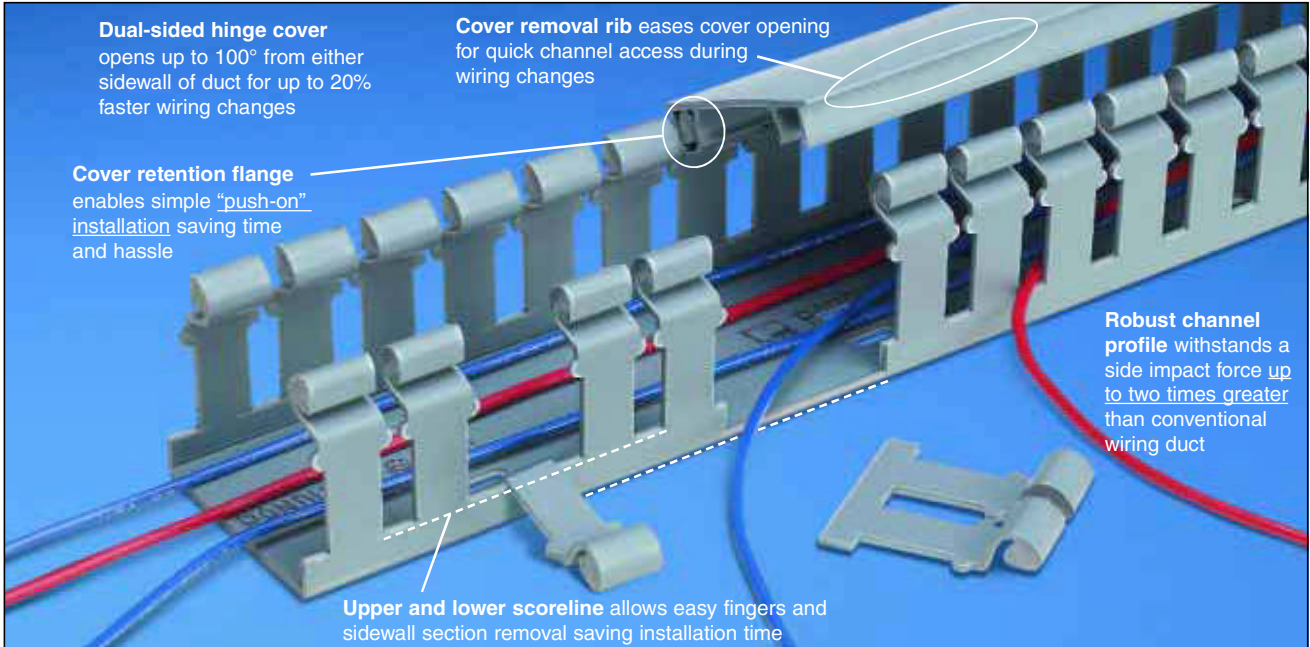
Save Time and Material Replacement Costs
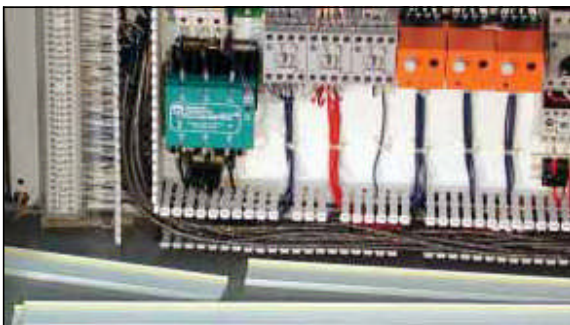
Conventional Method
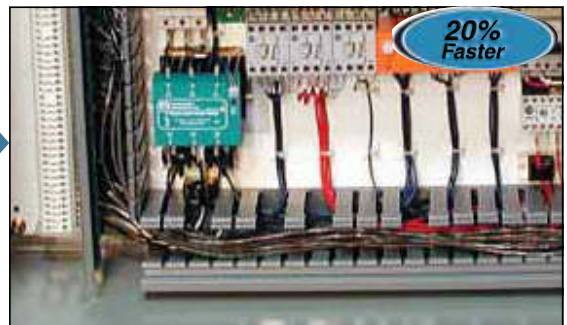
With Hinged Cover Wiring Duct

20% Faster

- By avoiding the time and hassle in removing and replacing covers, simple wiring changes can be made up to **20% faster** compared to conventional wiring duct installations*

Avoid Cover Replacement Costs

- Covers represent 20% of the cost of the wiring duct purchase
- Misplaced covers are a common occurrence after years of use
- Not needing to remove covers during maintenance ensures **better aesthetics and safety** and **avoids the cost to replace lost covers.**

% of Wiring Duct Cost

Save Replacement Costs

Base

Cover

0%   20%   40%   60%   80%   100%
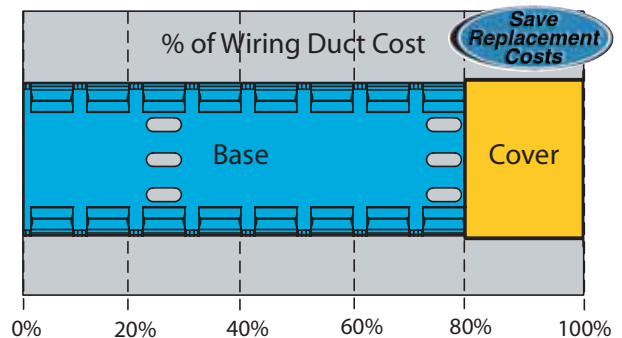
*Based on mock panel installations of Type H Hinged Cover Wiring Duct and other commonly available wiring ducts adding a single component with four wires.

PANDUCT® Type H – Hinged Cover Wiring Duct

- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with mounting holes
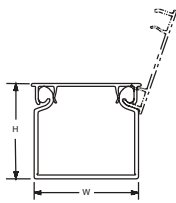
Base Part Number	Duct Size W x H		Slot Width		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty	Std. Ctn. Qty.
	In.	mm	In.	mm				
H1.5X2LG6	1.75 x 1.98	44.5 x 50.3	.31	7.9	HC1.5LG6	6	6	120
H1.5X3LG6	1.75 x 3.06	44.5 x 77.7	.31	7.9	HC1.5LG6	6	6	120
H2X2LG6	2.17 x 1.98	55.1 x 50.3	.31	7.9	HC2LG6	6	6	120
H2X3LG6	2.17 x 3.06	55.1 x 77.7	.31	7.9	HC2LG6	6	6	60
H2X4LG6	2.17 X 4.10	55.1 X 104.1	.31	7.9	HC2LG6	6	6	60
H3X3LG6	3.25 x 3.06	82.6 x 77.7	.31	7.9	HC3LG6	6	6	60
H3X4LG6	3.25 x 4.10	82.6 x 104.1	.31	7.9	HC3LG6	6	6	60
H4X4LG6	4.25 x 4.10	108.0 x 104.1	.31	7.9	HC4LG6	6	6	60

NEW! PANDUCT® Type HS – Hinged Cover Solid Wall Raceway

- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0
- Supplied without mounting holes

Base Part Number	Duct Size (W x H)		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm				
HS1.5X2LG6NM	1.75 x 1.98	44.5 x 50.3	HC1.5LG6	6	6	120
HS1.5X3LG6NM	1.75 x 3.06	44.5 x 77.7	HC1.5LG6	6	6	60
HS2X2LG6NM	2.17 x 1.98	55.1 x 50.3	HC2LG6	6	6	120
HS2X3LG6NM	2.17 x 3.06	55.1 x 77.7	HC2LG6	6	6	60
HS2X4LG6NM	2.17 x 4.10	55.1 x 104.1	HC2LG6	6	6	60
HS3X3LG6NM	3.25 x 3.06	82.6 x 77.7	HC3LG6	6	6	60
HS3X4LG6NM	3.25 x 4.10	82.6 x 104.1	HC3LG6	6	6	60
HS4X4LG6NM	4.25 x 4.10	108.0 x 104.1	HC4LG6	6	6	60

Part Number shown for LG (Light Gray). For BL (Black) and WH (White) colors see Color Selection Guide, page C1.43.
Base and cover sold separately.

Ease of Installation and Access
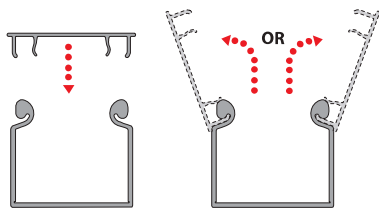
Push-On Cover/Dual Sided Hinging Cover

- Cover retention flanges guide duct fingers into cover for simple **push-on cover installation**
- Cover can hinge open to **100°** from either sidewall to allow full channel access

Robust Profile with Superior Cover Performance

- Covers fully engages fingers limiting sidewall flex for greater rigidity and durability*
- Cover retention strength in vertical applications is up to **2 times greater** than conventional wiring ducts**
- **Up to 2 times the side impact force** is required to disengage the cover compared to conventional wiring ducts**

**Based on test and measurements comparing Type H Hinged Cover Wiring Duct and other commonly available wiring ducts.

Features and Benefits – *PANDUCT*® **Type G – Wide Slot Wiring Duct**

Available in 36 sizes from .5" x .5" up to 6" x 4" in a variety of colors.

Exclusive *PANDUIT* **smooth rounded edges** prevents wiring abrasion

Non-slip cover liner prevents cover slide

Flush cover design provides a neat and finished appearance

Wide finger/slot design provides greater rigidity and allows use with a wide range of wire and bundle sizes

Specially formulated **lead-free PVC** material

Upper and lower scorelines allows easy fingers and sidewall section removal saving installation time

Restricted slot design retains wires, eliminating hassle and saving time

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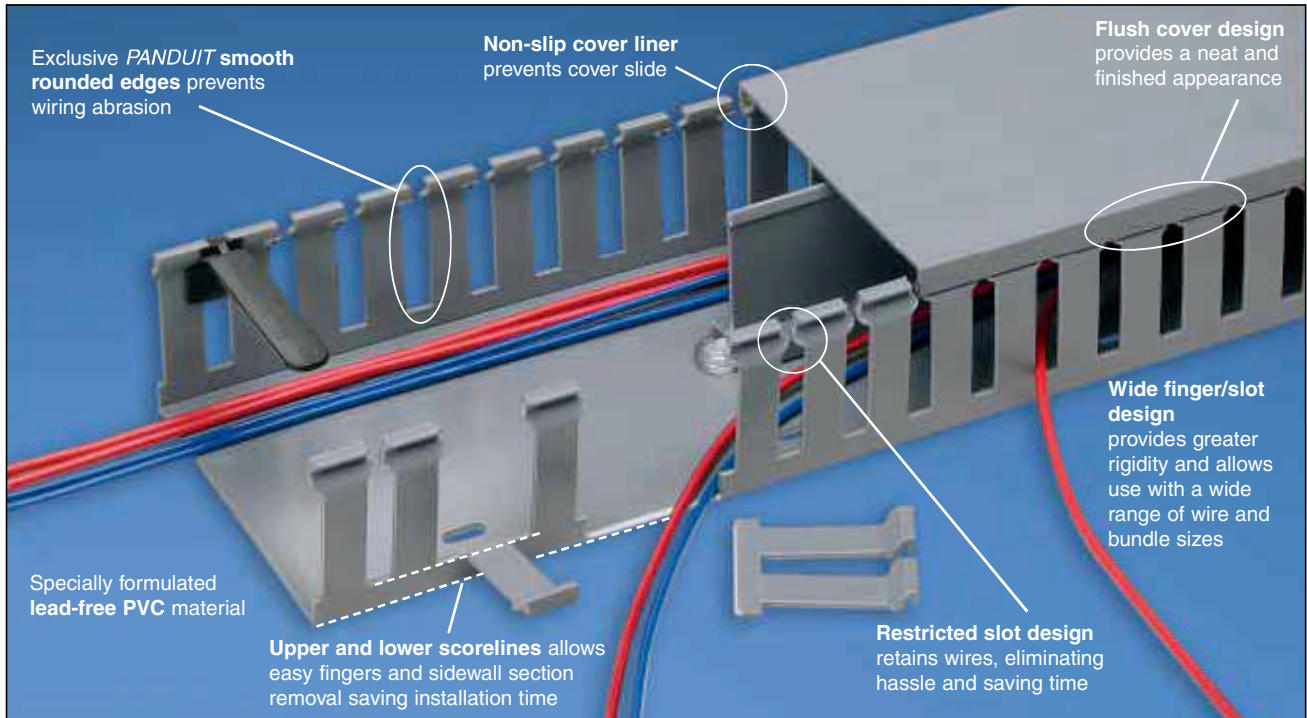
PANDUCT® **Wire Retainers for Type G Wiring Duct**
Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.
See page C1.26.

PANDUCT® **Divider Wall**
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.
See page C1.24.

PANDUCT® **Installation Tools**
Wide selection of hand tools for cutting and installing wiring duct.
See page C1.31.

PANDUCT® **Nylon Rivets**
Fast, lowest cost mounting method.
See page C1.31.

Ⓤ ⓒ CE 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
- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0

- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with mounting holes
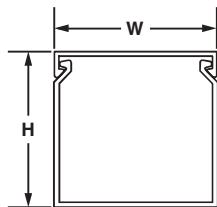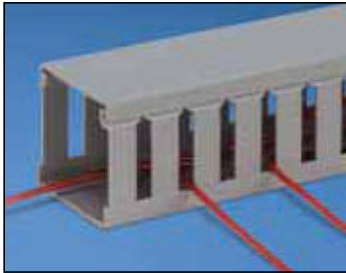
Base Part Number	Duct Size (W x H)		Slot Width		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm				
G.5X.5LG6	.69 x .60	17.5 x 15.2	.38	9.7	C.5LG6	6	6	120
G.5X1LG6	.69 x 1.06	17.5 x 26.9	.31	7.9	C.5LG6	6	6	120
G.5X2LG6	.69 x 2.03	17.5 x 51.6	.31	7.9	C.5LG6	6	6	120
G.5X4LG6	.69 x 4.10	17.5 x 104.1	.31	7.9	C.5LG6	6	6	60
G.75X.75LG6	.93 x .82	23.6 x 20.8	.31	7.9	C.75LG6	6	6	120
G.75X1LG6	.93 x 1.06	23.6 x 26.9	.31	7.9	C.75LG6	6	6	120
G.75X1.5LG6	.93 x 1.57	23.6 x 39.9	.31	7.9	C.75LG6	6	6	120
G.75X2LG6	.93 x 2.03	23.6 x 51.6	.31	7.9	C.75LG6	6	6	120
G1X1LG6	1.26 x 1.12	32.0 x 28.4	.31	7.9	C1LG6	6	6	120
G1X1.5LG6	1.26 x 1.62	32.0 x 41.1	.31	7.9	C1LG6	6	6	120
G1X2LG6	1.26 x 2.12	32.0 x 53.8	.31	7.9	C1LG6	6	6	120
G1X3LG6	1.26 x 3.12	32.0 x 79.2	.31	7.9	C1LG6	6	6	120
G1X4LG6	1.26 x 4.10	32.0 x 104.1	.31	7.9	C1LG6	6	6	60
G1.5X1LG6	1.75 x 1.12	44.5 x 28.4	.31	7.9	C1.5LG6	6	6	120
G1.5X1.5LG6	1.75 x 1.62	44.5 x 41.1	.31	7.9	C1.5LG6	6	6	120
G1.5X2LG6	1.75 x 2.12	44.5 x 53.8	.31	7.9	C1.5LG6	6	6	120
G1.5X3LG6	1.75 x 3.12	44.5 x 79.2	.31	7.9	C1.5LG6	6	6	120
G1.5X4LG6	1.75 x 4.10	44.5 x 104.1	.31	7.9	C1.5LG6	6	6	60
G2X1LG6	2.25 x 1.12	57.2 x 28.4	.31	7.9	C2LG6	6	6	120
G2X1.5LG6	2.25 x 1.62	57.2 x 41.1	.31	7.9	C2LG6	6	6	120
G2X2LG6	2.25 x 2.12	57.2 x 53.8	.31	7.9	C2LG6	6	6	120
G2X3LG6	2.25 x 3.12	57.2 x 79.2	.31	7.9	C2LG6	6	6	60
G2X4LG6	2.25 x 4.10	57.2 x 104.1	.31	7.9	C2LG6	6	6	60
G2X5LG6	2.25 x 5.10	57.2 x 129.5	.38	9.7	C2LG6	6	6	60
G2.5X3LG6	2.75 x 3.12	69.9 x 79.2	.31	7.9	C2.5LG6	6	6	120
G3X1LG6	3.25 x 1.12	82.6 x 28.4	.31	7.9	C3LG6	6	6	120
G3X2LG6	3.25 x 2.12	82.6 x 53.8	.31	7.9	C3LG6	6	6	120
G3X3LG6	3.25 x 3.12	82.6 x 79.2	.31	7.9	C3LG6	6	6	60
G3X4LG6	3.25 x 4.10	82.6 x 104.1	.31	7.9	C3LG6	6	6	60
G3X5LG6	3.25 x 5.10	82.6 x 129.5	.38	9.7	C3LG6	6	6	60
G4X1.5LG6	4.25 x 1.62	108.0 x 41.1	.31	7.9	C4LG6	6	6	120
G4X2LG6	4.25 x 2.12	108.0 x 53.8	.31	7.9	C4LG6	6	6	60
G4X3LG6	4.25 x 3.12	108.0 x 79.2	.31	7.9	C4LG6	6	6	60
G4X4LG6	4.25 x 4.10	108.0 x 104.1	.31	7.9	C4LG6	6	6	60
G4X5LG6	4.25 x 5.10	108.0 x 129.5	.38	9.7	C4LG6	6	6	60
G6X4LG6	6.25 x 4.15	158.8 x 105.4	.31	7.9	C6LG6	6	6	60

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, .
Base and cover sold separately.

Features and Benefits – PANDUCT® Type F – Narrow Slot Wiring Duct

Available in 29 sizes from .5" x .5" up to 4" x 5" in a variety of colors.

Double restricted slot design retains wires, eliminating hassle and saving time

Non-slip cover liner prevents cover slide

Exclusive *PANDUIT* **smooth rounded edges** prevents wiring abrasion

Flush cover design provides a neat appearance

Narrow finger/slot design closely matches the spacing of high-density components

Specially formulated **lead-free PVC** material

Upper and lower scorelines allows easy fingers and sidewall section removal saving installation time
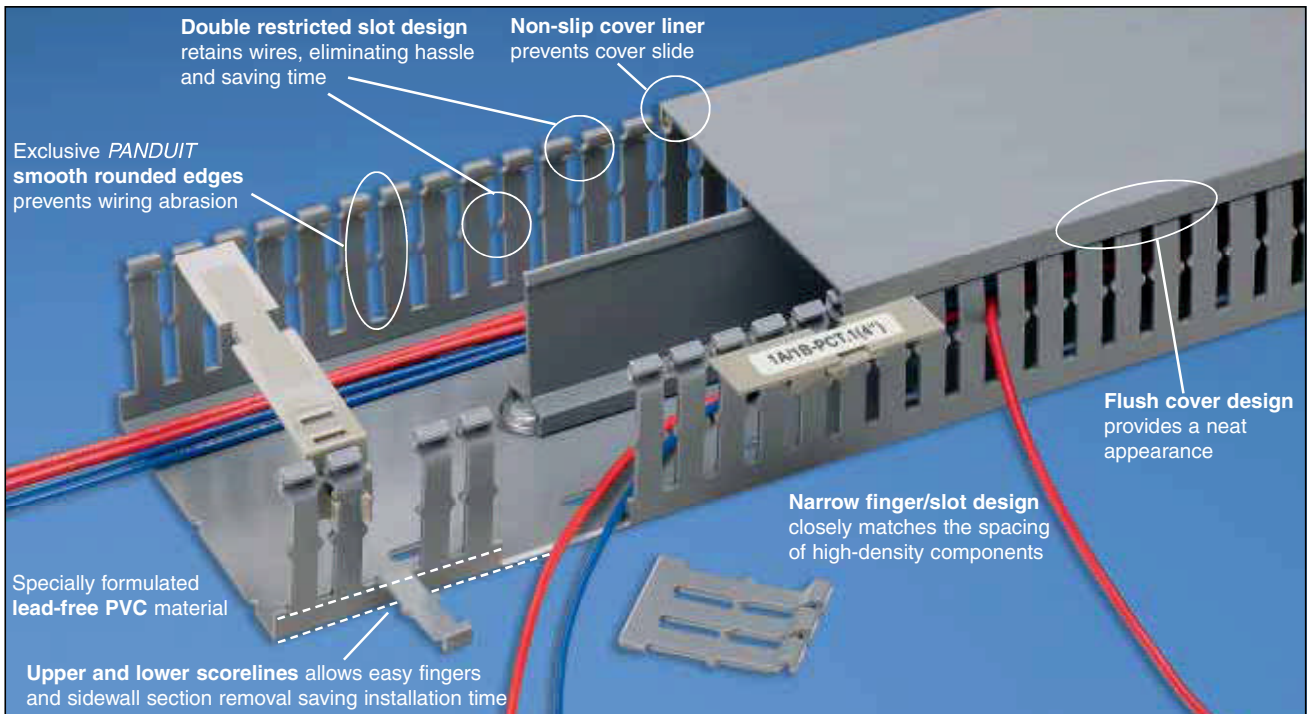
PANDUCT® Wire Retainers for Type F Wiring Duct
Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.
See page C1.27.

PANDUCT® Divider Wall
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.
See page C1.24.

PANDUCT® Installation Tools
Wide selection of hand tools for cutting and installing wiring duct.
See page C1.31.

PANDUCT® Nylon Rivets
Fast, lowest cost mounting method.
See page C1.31.

U R · CSR · CE · PANDUCT® Type F – Narrow Slot Wiring Duct

- Narrow slot/finger design provides more slots to fit the spacing of high-density terminal blocks and other hardware
- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with mounting holes
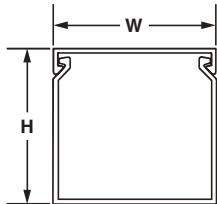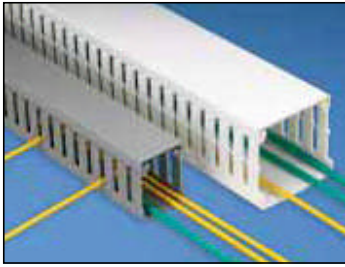
Base Part Number	Duct Size (W x H)		Slot Width		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm				
F.5X.5LG6	.69 x .60	17.5 x 15.2	.20	5.0	C.5LG6	6	6	120
F.5X1LG6	.69 x 1.06	17.5 x 26.9	.20	5.0	C.5LG6	6	6	120
F.75X.75LG6	.93 x .82	23.6 x 20.8	.20	5.0	C.75LG6	6	6	120
F.75X1.5LG6	.93 x 1.57	23.6 x 39.9	.20	5.0	C.75LG6	6	6	120
F1X1LG6	1.26 x 1.12	32.0 x 28.4	.20	5.0	C1LG6	6	6	120
F1X1.5LG6	1.26 x 1.62	32.0 x 41.1	.20	5.0	C1LG6	6	6	120
F1X2LG6	1.26 x 2.12	32.0 x 53.8	.20	5.0	C1LG6	6	6	120
F1X3LG6	1.26 x 3.12	32.0 x 79.2	.20	5.0	C1LG6	6	6	120
F1X4LG6	1.26 x 4.10	32.0 x 104.1	.20	5.0	C1LG6	6	6	60
F1.5X1LG6	1.75 x 1.12	44.5 x 28.4	.20	5.0	C1.5LG6	6	6	120
F1.5X1.5LG6	1.75 x 1.62	44.5 x 41.1	.20	5.0	C1.5LG6	6	6	120
F1.5X2LG6	1.75 x 2.12	44.5 x 53.8	.20	5.0	C1.5LG6	6	6	120
F1.5X3LG6	1.75 x 3.12	44.5 x 79.2	.20	5.0	C1.5LG6	6	6	120
F1.5X4LG6	1.75 x 4.10	44.5 x 104.1	.20	5.0	C1.5LG6	6	6	60
F2X1LG6	2.25 x 1.12	57.2 x 28.4	.20	5.0	C2LG6	6	6	120
F2X1.5LG6	2.25 x 1.62	57.2 x 41.1	.20	5.0	C2LG6	6	6	120
F2X2LG6	2.25 x 2.12	57.2 x 53.8	.20	5.0	C2LG6	6	6	120
F2X3LG6	2.25 x 3.12	57.2 x 79.2	.20	5.0	C2LG6	6	6	60
F2X4LG6	2.25 x 4.10	57.2 x 104.1	.20	5.0	C2LG6	6	6	60
F2X5LG6	2.25 x 5.10	57.2 x 129.5	.20	5.0	C2LG6	6	6	60
F3X1LG6	3.25 x 1.12	82.6 x 28.4	.20	5.0	C3LG6	6	6	120
F3X2LG6	3.25 x 2.12	82.6 x 53.8	.20	5.0	C3LG6	6	6	120
F3X3LG6	3.25 x 3.12	82.6 x 79.2	.20	5.0	C3LG6	6	6	60
F3X4LG6	3.25 x 4.10	82.6 x 104.1	.20	5.0	C3LG6	6	6	60
F3X5LG6	3.25 x 5.10	82.6 x 129.5	.20	5.0	C3LG6	6	6	60
F4X2LG6	4.25 x 2.12	108.0 x 53.8	.20	5.0	C4LG6	6	6	60
F4X3LG6	4.25 x 3.12	108.0 x 79.2	.20	5.0	C4LG6	6	6	60
F4X4LG6	4.25 x 4.10	108.0 x 104.1	.20	5.0	C4LG6	6	6	60
F4X5LG6	4.25 x 5.10	108.0 x 129.5	.20	5.0	C4LG6	6	6	60

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, page C1.43.
Base and cover sold separately.

Features and Benefits – PANDUCT® Flush Cover Type D – Round Hole Wiring Duct

Available in 16 sizes from 1" x 2" up to 4" x 4" in a variety of colors.

Non-slip cover liner prevents cover slide

Exclusive PANDUIT smooth rounded edges prevents wiring abrasion

Flush cover design provides a neat and finished appearance

Specially formulated lead-free PVC material

Round hole design retains and supports wire at variable heights to enhance wire management

Base scoreline allows easy removal of sidewall section at t-junctions and right angles saving installation time

PANDUCT® Wire Retainers for Type D Wiring Duct
Contain wiring when duct cover is opened. Wire retainers mount onto walls with pressure sensitive adhesive.
See page C1.26.

PANDUCT® Divider Wall
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.
See page C1.24.

PANDUCT® Installation Tools
Wide selection of hand tools for cutting and installing wiring duct.
See page C1.31.

PANDUCT® Nylon Rivets
Fast, lowest cost mounting method.
See page C1.31.

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

PANDUCT® Flush Cover Type D – Round Hole Wiring Duct

- Round hole design has multiple rows of holes to retain and support wire at variable heights and positions
- Material: Lead-free PVC
- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame retardant material
- Provided with mounting holes
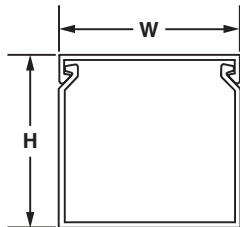
Base Part Number	Duct Size (W x H)		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm				
D1X2LG6	1.26 x 2.12	32.0 x 53.8	C1LG6	6	6	120
D1X3LG6	1.26 x 3.12	32.0 x 79.2	C1LG6	6	6	120
D1X4LG6	1.26 x 4.10	32.0 x 104.1	C1LG6	6	6	120
D1.5X2LG6	1.75 x 2.12	44.5 x 53.8	C1.5LG6	6	6	120
D1.5X3LG6	1.75 x 3.12	44.5 x 79.2	C1.5LG6	6	6	120
D1.5X4LG6	1.75 x 4.10	44.5 x 104.1	C1.5LG6	6	6	60
D2X2LG6	2.25 x 2.12	57.2 x 53.8	C2LG6	6	6	120
D2X3LG6	2.25 x 3.12	57.2 x 79.2	C2LG6	6	6	60
D2X4LG6	2.25 x 4.10	57.2 x 104.1	C2LG6	6	6	60
D2.5X3LG6	2.75 x 3.12	69.9 x 79.2	C2.5LG6	6	6	120
D3X2LG6	3.25 x 2.12	82.6 x 53.8	C3LG6	6	6	120
D3X3LG6	3.25 x 3.12	82.6 x 79.2	C3LG6	6	6	60
D3X4LG6	3.25 x 4.10	82.6 x 104.1	C3LG6	6	6	60
D4X2LG6	4.25 x 2.12	108.0 x 53.8	C4LG6	6	6	60
D4X3LG6	4.25 x 3.12	108.0 x 79.2	C4LG6	6	6	60
D4X4LG6	4.25 x 4.10	108.0 x 104.1	C4LG6	6	6	60

Part Number shown for LG (Light Gray). For other color availability see Color Selection Guide, . Base and cover sold separately.

.67 ± .06 TYP [16.94 ± 1.5]

.44 ± .02 ∅ [11.2 ± 0.5]

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

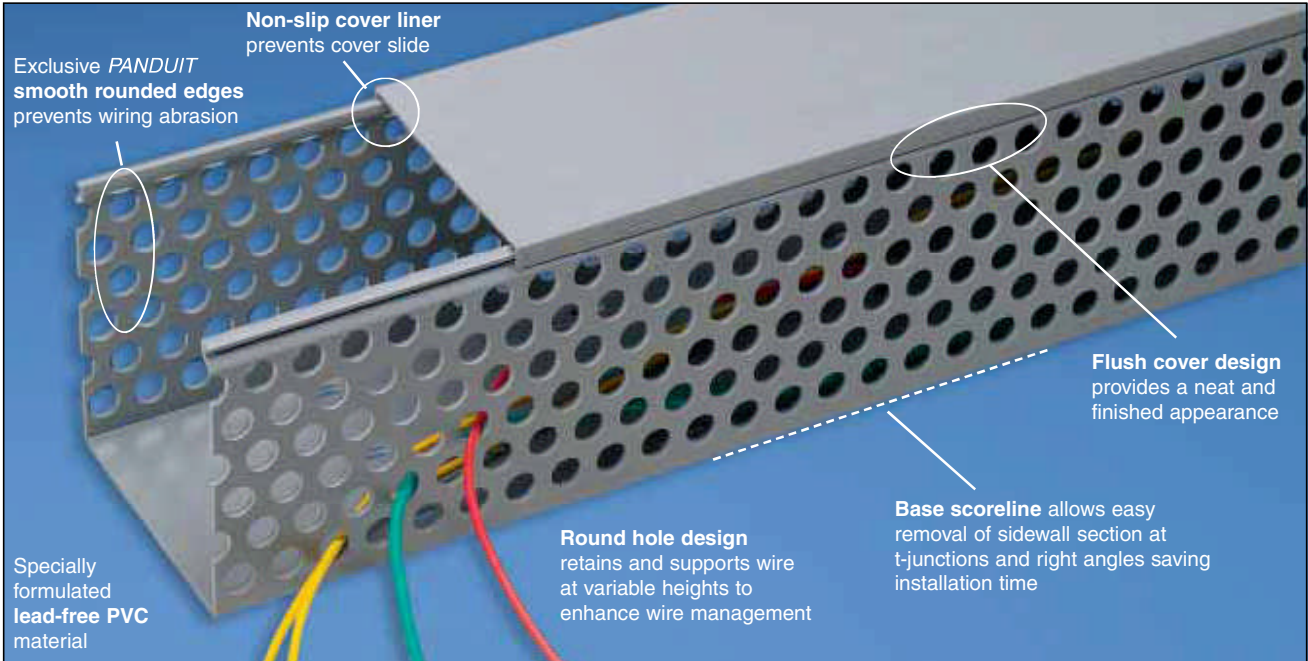A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management
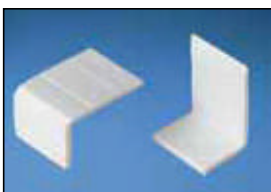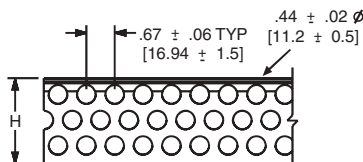
D1. Terminals

D2. Power & Grounding Connectors

E1. Labeling System

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Lockout/ Tagout & Safety Solutions

F. Index

Features and Benefits – PANDUCT® Type MC – Metric Narrow Slot Wiring Duct

Available in 22 sizes from 25mm x 25mm up to 100mm x 100mm in International Gray color.

Double restricted slot design retains wires, eliminating hassle and saving time

Non-slip cover liner prevents cover slide

Narrow finger/slot design matches the spacing of high-density components

Flush cover design provides a neat finished appearance

Specially formulated **lead-free PVC** material

Upper and lower scorelines allow easy fingers and sidewall section removal saving installation time

DIN 43 659 metric mounting hole pattern meets European requirements
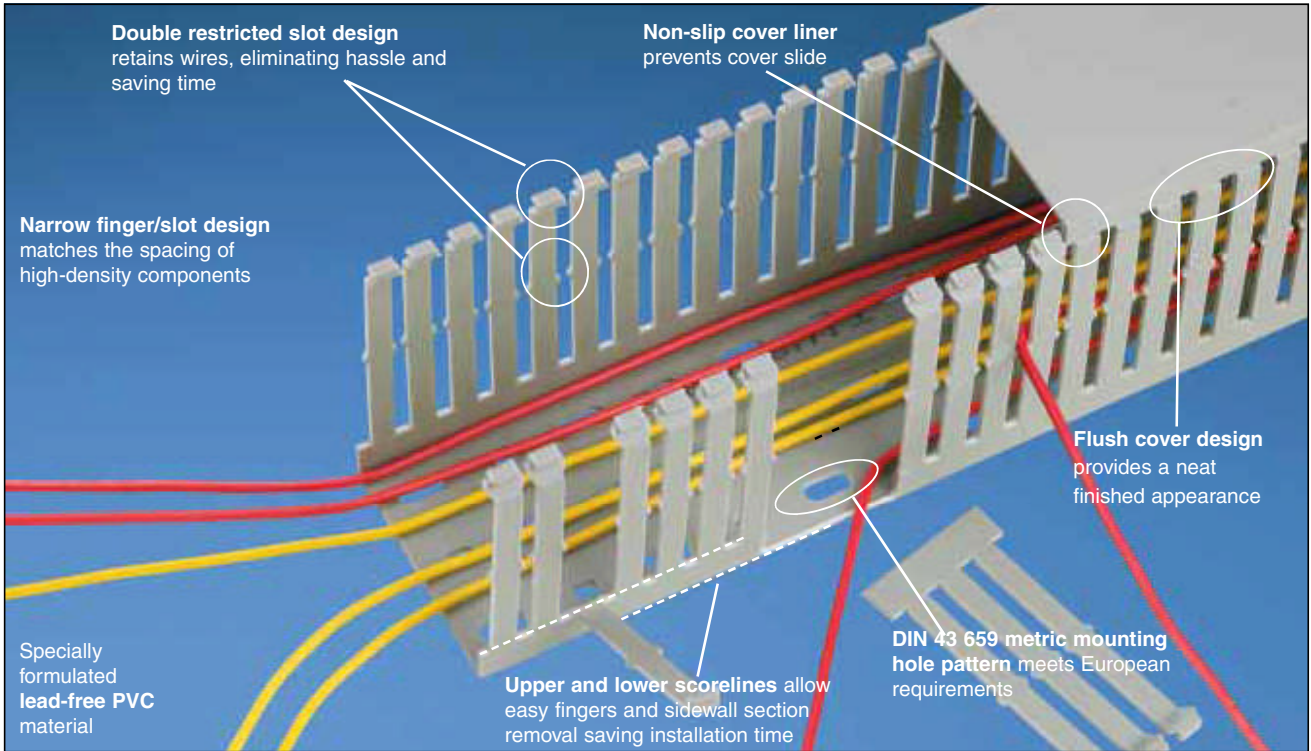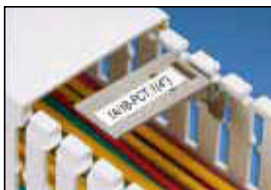
PANDUCT® Wire Retainers for Type MC Wiring Duct
Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.
See page C1.27.

PANDUCT® Divider Wall
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.
See page C1.24.

PANDUCT® Installation Tools
Wide selection of hand tools fo r cutting and installing wiring duct.
See page C1.31.

PANDUCT® Nylon Rivets
Fast, lowest cost mounting method.
See page C1.31.

PANDUCT® Type MC – Metric Narrow Slot Wiring Duct

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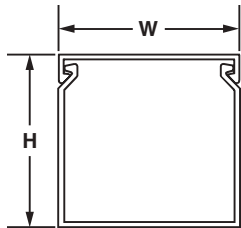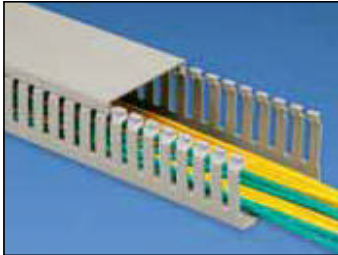- Provided with DIN 43 659 mounting holes
- Duct and cover packaged together in 2 meter lengths

Base & Cover Part Number	Duct Size (W x H)		Slot Width		Replacement Cover Part Number	Base & Cover Length (M)	Std. Pkg. Qty. (M)
	mm	In.	In.	mm			
MC25X25IG2	24.6 x 23.6	.97 x .93	.20	5.0	C25IG2	2	20
MC25X37IG2	24.6 x 35.8	.97 x 1.41	.20	5.0	C25IG2	2	20
MC25X50IG2	24.6 x 47.8	.97 x 1.88	.20	5.0	C25IG2	2	20
MC25X62IG2	24.6 x 59.7	.97 x 2.35	.20	5.0	C25IG2	2	20
MC25X75IG2	24.6 x 72.4	.97 x 2.85	.20	5.0	C25IG2	2	20
MC37X37IG2	37.1 x 35.8	1.46 x 1.41	.20	5.0	C37IG2	2	20
MC37X50IG2	37.1 x 47.8	1.46 x 1.88	.20	5.0	C37IG2	2	20
MC37X62IG2	37.1 x 59.7	1.46 x 2.35	.20	5.0	C37IG2	2	20
MC37X75IG2	37.1 x 72.4	1.46 x 2.85	.20	5.0	C37IG2	2	20
MC50X50IG2	49.5 x 47.8	1.95 x 1.89	.20	5.0	C50IG2	2	20
MC50X75IG2	49.5 x 72.4	1.95 x 2.85	.20	5.0	C50IG2	2	10
MC50X100IG2	49.5 x 97.8	1.95 x 3.85	.20	5.0	C50IG2	2	10
MC62X37IG2	62.0 x 35.8	2.44 x 1.41	.20	5.0	C62IG2	2	20
MC62X62IG2	62.0 x 59.7	2.44 x 2.35	.20	5.0	C62IG2	2	20
MC75X50IG2	74.7 x 48.0	2.94 x 1.89	.20	5.0	C75IG2	2	20
MC75X62IG2	74.7 x 59.7	2.94 x 2.35	.20	5.0	C75IG2	2	20
MC75X75IG2	74.7 x 72.4	2.94 x 2.85	.20	5.0	C75IG2	2	10
MC75X100IG2	74.7 x 97.8	2.94 x 3.85	.20	5.0	C75IG2	2	10
MC100X50IG2	99.6 x 48.0	3.92 x 1.89	.20	5.0	C100IG2	2	10
MC100X62IG2	99.6 x 59.7	3.92 x 2.35	.20	5.0	C100IG2	2	10
MC100X75IG2	99.6 x 72.4	3.92 x 2.85	.20	5.0	C100IG2	2	10
MC100X100IG2	99.6 x 97.8	3.92 x 3.85	.20	5.0	C100IG2	2	10

Available in IG (International Gray) only.
Base and cover sold together.

For service and technical support, call 800-777-3300 or visit www.panduit.com.

C1.13

Features and Benefits – PANDUCT® Type FS – Solid Wall Raceway

Available in 27 sizes from .5" x .5" up to 6" x 4" in a variety of colors.

Non-slip cover liner prevents cover slide

Specially formulated **lead-free PVC** material

Flush cover design provides a neat and finished appearance

Base scoreline allows easy removal of sidewall sections saving installation time
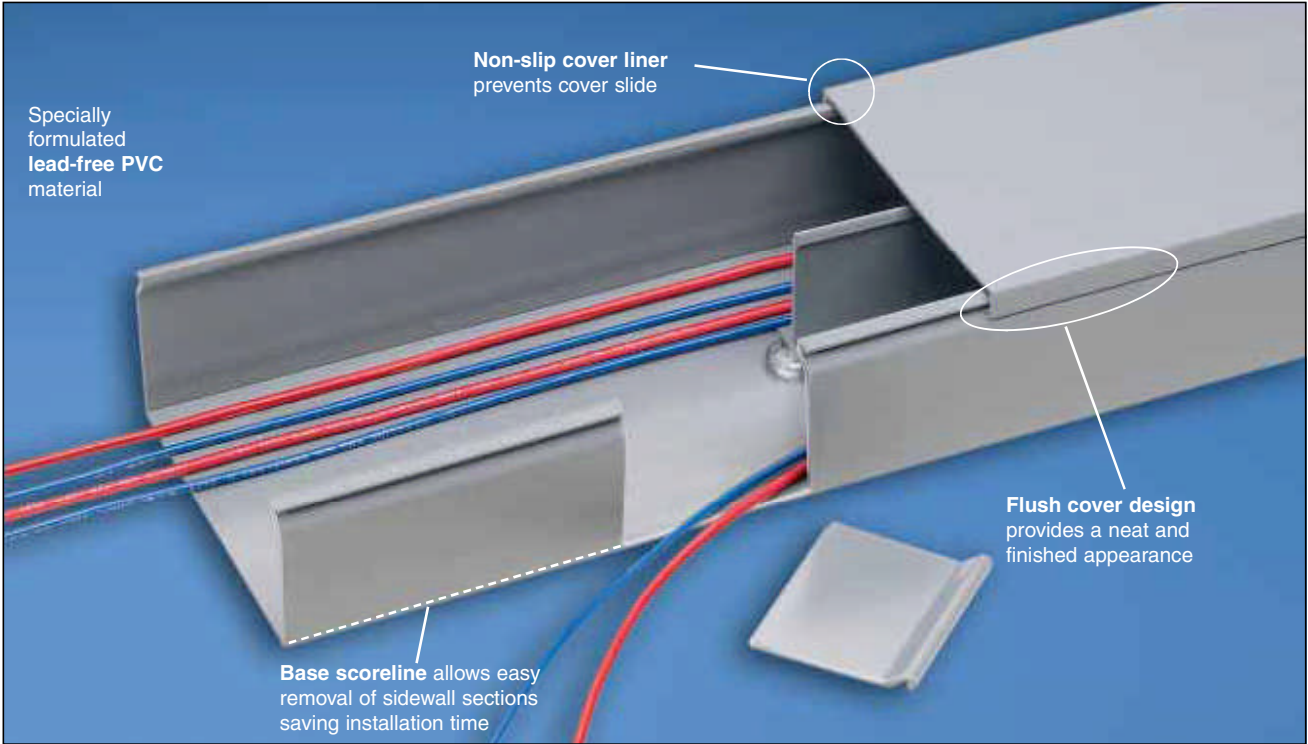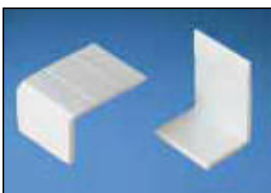
PANDUCT® Wire Retainers for Type FS Solid Wall Raceway
Contain wiring when duct cover is opened. Wire retainers mounts onto walls with pressure sensitive adhesive.
See page C1.26.

PANDUCT® Divider Wall
Create separate wiring channels within the wiring duct base. Available in solid or slotted wall styles.
See page C1.24.

PANDUCT® Installation Tools
Wide selection of hand tools for cutting and installing wiring duct.
See page C1.31.

PANDUCT® Nylon Rivets
Fast, lowest cost mounting method.
See page C1.31.

PANDUCT® Type FS – Solid Wall Raceway

- Solid wall design fully encloses cables providing maximum protection and aesthetics
- Material: Lead-free PVC

- UL Recognized continuous use temperature: 122°F (50°C)
- UL94 Flammability Rating of V-0
- Supplied without mounting holes

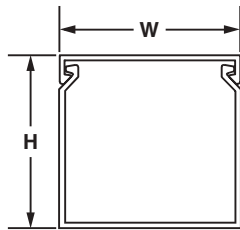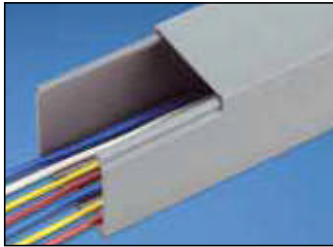| Base Part Number	Duct Size (W x H) In.	mm	Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
> FS.5X.5LG6NM	.69 x .60	17.5 x 15.2	C.5LG6	6	6	120
> FS.5X1LG6NM	.69 x 1.06	17.5 x 26.9	C.5LG6	6	6	120
FS.75X.75LG6NM	.93 x .82	23.6 x 20.8	C.75LG6	6	6	120
> FS1X1LG6NM	1.26 x 1.12	32.0 x 28.4	C1LG6	6	6	120
> FS1X1.5LG6NM	1.26 x 1.62	32.0 x 41.1	C1LG6	6	6	120
FS1X2LG6NM	1.26 x 2.12	32.0 x 53.8	C1LG6	6	6	120
FS1X3LG6NM	1.26 x 3.12	32.0 x 79.2	C1LG6	6	6	120
FS1X4LG6NM	1.26 x 4.10	32.0 x 104.1	C1LG6	6	6	60
> FS1.5X1LG6NM	1.75 x 1.12	44.5 x 28.4	C1.5LG6	6	6	120
> FS1.5X1.5LG6NM	1.75 x 1.62	44.5 x 41.1	C1.5LG6	6	6	120
> FS1.5X2LG6NM	1.75 x 2.12	44.5 x 53.8	C1.5LG6	6	6	120
> FS1.5X3LG6NM	1.75 x 3.12	44.5 x 79.2	C1.5LG6	6	6	120
> FS2X1LG6NM	2.25 x 1.12	57.2 x 28.4	C2LG6	6	6	120
FS2X1.5LG6NM	2.25 x 1.62	57.2 x 41.1	C2LG6	6	6	120
> FS2X2LG6NM	2.25 x 2.12	57.2 x 53.8	C2LG6	6	6	120
> FS2X3LG6NM	2.25 x 3.12	57.2 x 79.2	C2LG6	6	6	60
FS2X4LG6NM	2.25 x 4.10	57.2 x 104.1	C2LG2	6	6	60
> FS3X1LG6NM	3.25 x 1.12	82.6 x 28.4	C3LG6	6	6	120
> FS3X2LG6NM	3.25 x 2.12	82.6 x 53.8	C3LG6	6	6	120
> FS3X3LG6NM	3.25 x 3.12	82.6 x 79.2	C3LG6	6	6	60
FS3X4LG6NM	3.25 x 4.10	82.6 x 104.1	C3LG6	6	6	60
FS3X5LG6NM	3.25 x 5.10	82.6 x 129.5	C3LG6	6	6	60
> FS4X2LG6NM	4.25 x 2.12	108.0 x 53.8	C4LG6	6	6	60
> FS4X3LG6NM	4.25 x 3.12	108.0 x 79.2	C4LG6	6	6	60
> FS4X4LG6NM	4.25 x 4.10	108.0 x 104.1	C4LG6	6	6	60
> FS4X5LG6NM	4.25 x 5.10	108.0 x 129.5	C4LG6	6	6	60
> FS6X4LG6NM	6.25 x 4.15	158.8 x 105.4	C6LG6	6	6	60

> 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 C1.43.
Base and cover sold separately.

Wiring Duct for Special Environments

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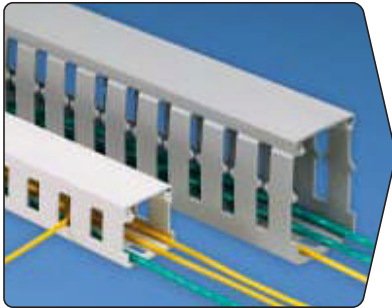
- Halogen free material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronic equipment
- UL94V-0

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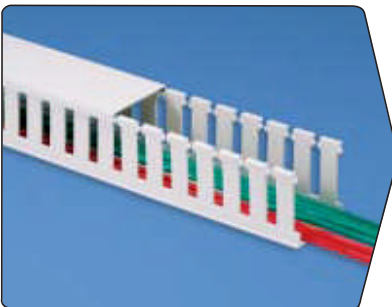
- Halogen free material is nontoxic, lead-free, environmentally safe and will not release toxic or corrosive gases that could endanger public safety or damage sensitive electronic equipment
- UL94V-1

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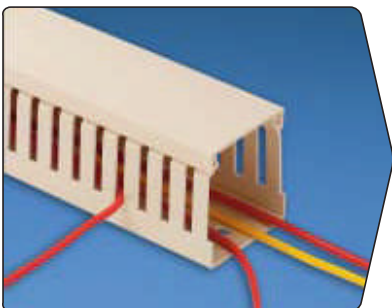
- Low smoke/low toxicity material emits a low level of toxic fumes and low smoke emissions when burned
- Meets Federal Rail Administration Guidelines and NFPA 130 requirements for all transit vehicles
- UL94V-0

LF LOW FLAMMABILITY UL94V-0

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

LS LOW SMOKE ASTM E 662

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

LT 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.

Environment/Material Specifications — Typical Applications pages C1.18 – C1.19

LF LOW FLAMMABILITY UL94V-0 **LT** LOW TOXICITY BSS-7239 ATS 1000.01 **HF** HALOGEN FREE IEC 60754-2 **ET** ELEVATED TEMPERATURE

Semiconductor Manufacturing
Ship Building
Nuclear Power Plants
Oil Platforms

Environment/Material Specifications — Typical Applications page C1.22

HF HALOGEN FREE IEC 60754-2 **ET** ELEVATED TEMPERATURE

Semiconductor Manufacturing
Ship Building
Nuclear Power Plants
Oil Platforms

Environment/Material Specifications — Typical Applications pages C1.20 – C1.21

LF LOW FLAMMABILITY UL94V-0 **LS** LOW SMOKE ASTM E 662 **LT** LOW TOXICITY BSS-7239 ATS 1000.01 **ET** ELEVATED TEMPERATURE

Passenger Rail Cars
Other Transportation Vehicles

HF 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.

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

Features and Benefits – PANDUCT® Type NNC – Halogen Free Metric Wiring Duct

Available in 14 sizes from 25mm x 25mm up to 100mm x 100mm in Light Gray and White.

DIN 43 659 metric mounting hole pattern meets European requirements

Non-slip cover liner prevents cover slide

Halogen free modified PPO material is environmentally safe and will not release corrosive or toxic gases

Flush cover design provides a neat and finished appearance

Wide finger/slot design provides greater rigidity and allows use with a wide range of wire and bundle sizes

Upper and lower Scorelines allows easy finger and sidewall section removal, saving installation time

PANDUCT® Notching Tool
Notches duct sidewalls to bottom scoreline for tee and corner junctions.
See page C1.31.

PANDUCT® Type NNC Halogen Free Solid Divider Wall
Create separate wiring channels within the wiring duct base.
See page C1.19.

PANDUCT® Nylon Rivet Installation Tool
Installs PANDUCT Nylon Rivets quickly and easily.
See page C1.31.

PANDUCT® Nylon Rivets
Fast, lowest cost mounting method.
See page C1.31.

PANDUCT® Type NNC – Halogen Free Metric Wiring Duct

- Material: Halogen free modified PPO material as verified with IEC 60754-2 test method (test on gases evolved during combustion of electric cables)
- UL Recognized continuous use temperature: 203°F (95°C)
- 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
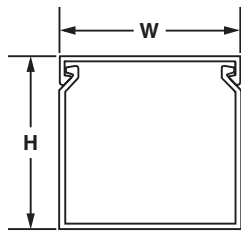
Base and Cover Part Number	Duct Size (W x H)		Slot Width		Replacement Cover Part Number	Base & Cover Length (M)	Std. Ctn. Qty. (M)
	mm	In.	In.	mm			
NNC25X25LG2	24.6 x 23.6	.97 x .93	.39	10.0	NC25LG2	2	20
NNC25X37LG2	24.6 x 35.8	.97 x 1.41	.39	10.0	NC25LG2	2	20
NNC25X50LG2	24.6 x 47.8	.97 x 1.88	.39	10.0	NC25LG2	2	20
NNC25X75LG2	24.6 x 72.4	.97 x 2.85	.39	10.0	NC25LG2	2	20
NNC37X37LG2	37.1 x 35.8	1.46 x 1.41	.39	10.0	NC37LG2	2	20
NNC37X50LG2	37.1 x 47.8	1.46 x 1.88	.39	10.0	NC37LG2	2	20
NNC37X75LG2	37.1 x 72.4	1.46 x 2.85	.39	10.0	NC37LG2	2	20
NNC50X50LG2	49.5 x 47.8	1.95 x 1.88	.39	10.0	NC50LG2	2	20
NNC50X75LG2	49.5 x 72.4	1.95 x 2.85	.39	10.0	NC50LG2	2	10
NNC50X100LG2	49.5 x 97.8	1.95 x 3.85	.39	10.0	NC50LG2	2	10
NNC75X75LG2	74.7 x 72.4	2.94 x 2.85	.39	10.0	NC75LG2	2	10
NNC100X50LG2	99.6 x 47.8	3.92 x 1.88	.39	10.0	NC100LG2	2	10
NNC100X75LG2	99.6 x 72.4	3.92 x 2.85	.39	10.0	NC100LG2	2	10
NNC100X100LG2	99.6 x 97.8	3.92 x 3.85	.39	10.0	NC100LG2	2	10

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 C1.44 for a list of chemicals to avoid.
Base and cover sold together.

PANDUCT® Type NNC Halogen Free Solid Divider Wall

- NNC Solid Divider Wall can be mounted inside NNC or NE Wiring Duct to create multiple channels
- Material: Halogen free modified PPO

- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C

Part Number	For Nominal Duct Height (mm)	Length (M)	Std. Pkg. Qty.	Std. Ctn. Qty.
NNC50DWH2	50	2	2	40
NNC75DWH2	75	2	2	40

Available in WH (White) color only.
NOTE: Must be used with Mounting Base, DB-C (see page C1.24) 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.

NNC**DWH2

A. System Overview
B1. Cable Ties
B2. Cable Accessories
B3. Stainless Steel
C1. Wiring Duct
C2. Surface Raceway
C3. Abrasion Protection
C4. Cable Management
D1. Terminals
D2. Power & Grounding Connectors
E1. Labeling System
E2. Labels
E3. Pre-Printed & Write-On Markers
E4. Lockout/ Tagout & Safety Solutions
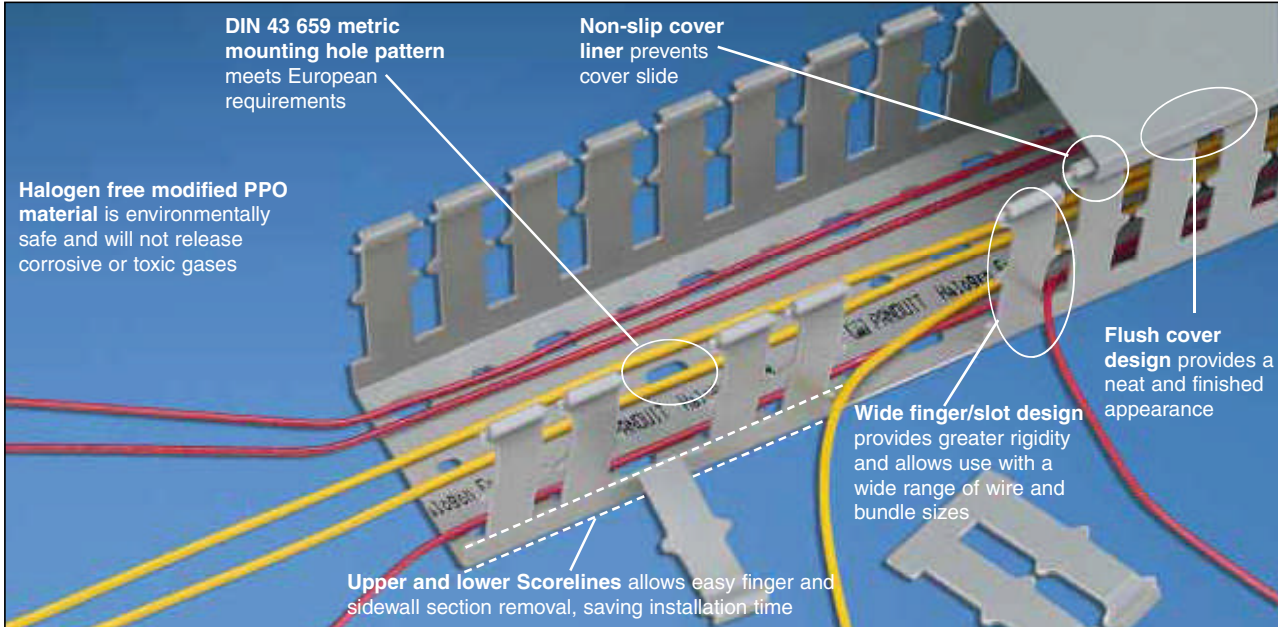F. Index

Features and Benefits – PANDUCT® Type TMC – Low Smoke/Low Toxicity Wiring Duct

Available in seven sizes from 25mm x 37mm up to 100mm x 75mm in Beige color.

Double restricted slot design retains wires, eliminating hassle and saving time

Non-slip cover liner prevents cover slide

Narrow finger/slot design closely matches the spacing of high-density components

Low smoke, low toxicity and low flammability material meets Federal Rail Administration guidelines

DIN 43 659 metric mounting hole pattern meets European requirements

Upper and lower scorelines allows easy fingers and sidewall section removal saving installation time
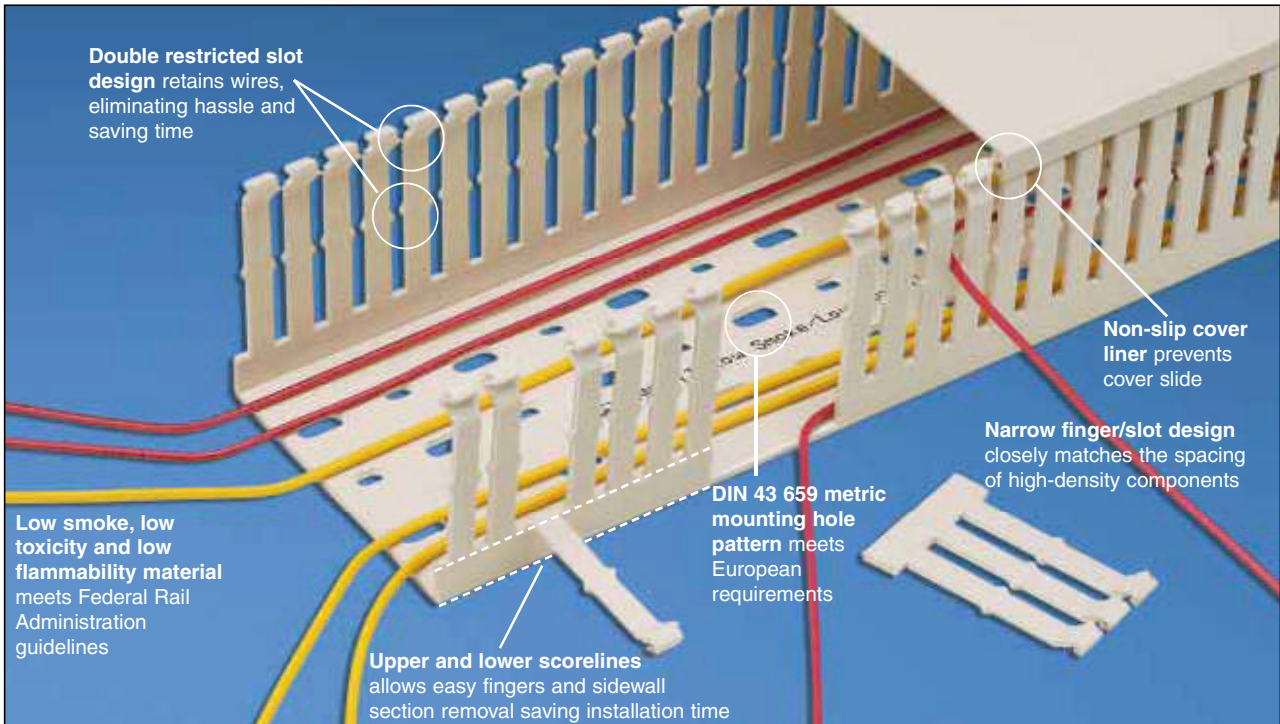
PANDUCT® **Wire Retainers for Type TMC Wiring Duct**
Contain wiring when duct cover is opened. Wire retainers snap easily between duct fingers.
See page C1.27.

PANDUCT® **Type TMC Low Smoke/ Low Toxicity Solid Divider Wall**
Create separate wiring channels within the wiring duct base.
See page C1.21.

PANDUCT® **Installation Tools**
Wide selection of hand tools for cutting and installing wiring duct.
See page C1.31.

PANDUCT® **Nylon Rivets**
Fast, lowest cost mounting method.
See page C1.31.

PANDUCT® Type TMC – Low Smoke/Low Toxicity Wiring Duct

- Material: low smoke, low toxicity and low flammability thermoplastic
- UL Recognized continuous use temperature: 176°F (80°C)
- 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
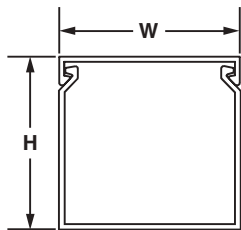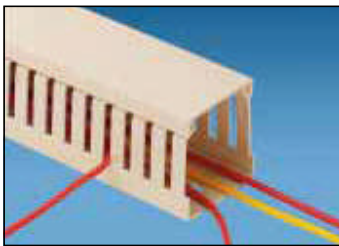
Base & Cover Part Number	Duct Size W x H		Slot Width		Replacement Cover Part Number	Base & Cover Length (M)	Std. Ctn. Qty. (M)
	In.	mm	In.	mm			
TMC25X37BR2	.97 x 1.41	24.6 x 35.8	.20	5.0	TC25BR2	2	20
TMC37X37BR2	1.46 x 1.41	37.1 x 35.8	.20	5.0	TC37BR2	2	20
TMC50X50BR2	1.95 x 1.89	49.5 x 48.0	.20	5.0	TC50BR2	2	20
TMC75X50BR2	2.94 x 1.89	74.7 x 48.0	.20	5.0	TC75BR2	2	20
TMC75X75BR2	2.94 x 2.88	74.7 x 73.2	.20	5.0	TC75BR2	2	10
TMC100X50BR2	3.92 x 1.89	99.6 x 48.0	.20	5.0	TC100BR2	2	10
TMC100X75BR2	3.92 x 2.88	99.6 x 73.2	.20	5.0	TC100BR2	2	10

Available in BR (Natural Beige) color only.
Base and cover sold together.

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

- TMC Solid Divider Wall can be mounted inside TMC Wiring Duct to create multiple channels
- Material: Low smoke, low toxicity and low flammability thermoplastic

- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C

TMCDW2**

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

Available in BR (Natural Beige) color only.
NOTE: Must be used with Mounting Base, DB-C (see page C1.24) 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.

PANDUCT® Type NE – NORYL* Halogen Free Wiring Duct

- Material: Halogen free NORYL*
- UL Recognized continuous use temperature: 203°F (95°C)
- UL94 Flammability Rating of V-1
- Provided with mounting holes

Base Part Number	Duct Size W x H		Slot Width		Cover Part Number	Base & Cover Length (ft)	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm				
NE.5X.5WH6	.63 x .56	16.0 x 14.2	.38	9.7	NC.5WH6	6	6	120
NE.5X1WH6	.63 x 1.06	16.0 x 26.9	.31	7.9	NC.5WH6	6	6	120
NE1X1WH6	1.14 x 1.06	29.0 x 26.9	.31	7.9	NC1WH6	6	6	120
NE1X1.5WH6	1.14 x 1.62	29.0 x 41.1	.31	7.9	NC1WH6	6	6	120
NE1X2WH6	1.14 x 2.06	29.0 x 52.3	.31	7.9	NC1WH6	6	6	120
NE1X3WH6	1.14 x 3.06	29.0 x 77.7	.31	7.9	NC1WH6	6	6	120
NE1X4WH6	1.14 x 4.06	29.0 x 103.1	.31	7.9	NC1WH6	6	6	60
NE1.5X1.5WH6	1.64 x 1.62	41.7 x 41.1	.31	7.9	NC1.5WH6	6	6	120
NE1.5X2WH6	1.64 x 2.06	41.7 x 52.3	.31	7.9	NC1.5WH6	6	6	120
NE1.5X3WH6	1.64 x 3.06	41.7 x 77.7	.31	7.9	NC1.5WH6	6	6	120
NE1.5X4WH6	1.64 x 4.06	41.7 x 103.1	.31	7.9	NC1.5WH6	6	6	60
NE2X1WH6	2.14 x 1.06	54.4 x 26.9	.31	7.9	NC2WH6	6	6	120
NE2X2WH6	2.14 x 2.06	54.4 x 52.3	.31	7.9	NC2WH6	6	6	120
NE2X3WH6	2.14 x 3.06	54.4 x 77.7	.31	7.9	NC2WH6	6	6	60
NE2X4WH6	2.14 x 4.06	54.4 x 103.1	.31	7.9	NC2WH6	6	6	60
NE2.5X3WH6	2.64 x 3.06	67.1 x 77.7	.31	7.9	NC2.5WH6	6	6	120
NE3X1WH6	3.14 x 1.06	79.8 x 26.9	.31	7.9	NC3WH6	6	6	120
NE3X2WH6	3.14 x 2.06	79.8 x 52.3	.31	7.9	NC3WH6	6	6	120
NE3X3WH6	3.14 x 3.06	79.8 x 77.7	.31	7.9	NC3WH6	6	6	60
NE3X4WH6	3.14 x 4.06	79.8 x 103.1	.31	7.9	NC3WH6	6	6	60
NE3X5WH6	3.14 x 5.06	79.8 x 128.5	.38	9.7	NC3WH6	6	6	60
NE4X2WH6	4.14 x 2.06	105.2 x 52.3	.31	7.9	NC4WH6	6	6	60
NE4X3WH6	4.14 x 3.06	105.2 x 77.7	.31	7.9	NC4WH6	6	6	60
NE4X4WH6	4.14 x 4.06	105.2 x 103.1	.31	7.9	NC4WH6	6	6	60
NE4X5WH6	4.14 x 5.06	105.2 x 128.5	.38	9.7	NC4WH6	6	6	60

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 C1.44 for list of chemicals to avoid.

Base and cover sold separately.

*NORYL is a registered trademark of General Electric Company.

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

WIRING DUCT TOOLS AND ACCESSORIES

PANDUIT offers a selection of *PANDUCT*® Tools and Accessories to aid cutting, modifying and installing wiring duct.
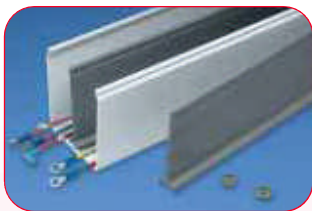
Some of the features and benefits found in *PANDUCT*® Tools and Accessories include:

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

PANDUCT® Type FL – Flexible Wiring Duct

- Material: Flexible Polypropylene
- UL Recognized continuous use temperature: 149°F (65°C)
- UL94 Flammability Rating of V-2
- Factory applied adhesive tape provided for easy mounting

Part Number	Duct Size (W x H)		Length		Std. Pkg. Qty.
	In.	mm	In.	mm	
FL12X12LG-A	.49 x .49	12.5 x 12.5	19.7	500	112
FL25X25LG-A	.98 x .98	25.0 x 25.0	19.7	500	70
FL50X50LG-A	1.97 x 1.97	50.0 x 50.0	19.7	500	32

Available in LG (RAL 7040 Light Gray) color only.
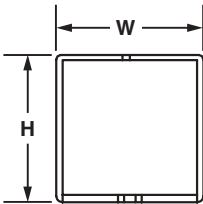
PANDUCT® Divider Wall

- 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
- 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
- UL94 Flammability Rating of V-0
- Material: Lead-free PVC

DB-C

D*H6 and D*H2

SD*H6

Part Number	Used with Anchors	Std. Pkg. Qty.	Std. Ctn. Qty.
PANDUCT® Divider Wall Mounting Base			
DB-C	PANDUIT NR1 or #8 or #10 screw	100	1000
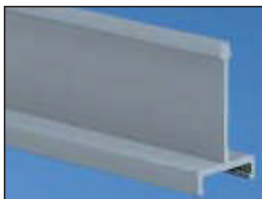
Part Number	For Nominal Duct Height		Length		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	ft	M		
PANDUCT® Solid Divider Wall						
D1H6	1.00	25	6	—	6	120
D1.5H6	1.50	37	6	—	6	120
D2H6	2.00	50	6	—	6	120
D3H6	3.00	75	6	—	6	120
D4H6	4.00	100	6	—	6	120
PANDUCT® Metric Solid Divider Wall						
D50H2	2.00	50	—	2	2	40
D75H2	3.00	75	—	2	2	40
D100H2	4.00	100	—	2	2	40
PANDUCT® Slotted Divider Wall						
SD2H6	2.00	50	6	—	6	120
SD3H6	3.00	75	6	—	6	120
SD4H6	4.00	100	6	—	6	120

Metric Divider Wall available in IG (International Gray) color only.

NOTE: Must be used with Mounting Base, DB-C (see) 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.

PANDUCT® Type NNC Halogen Free Solid Divider Wall

- NNC Solid Divider Wall can be mounted inside NNC or NE Wiring Duct to create multiple channels
- Material: Halogen free modified PPO

- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C

NNC**DWH2

Part Number	For Nominal Duct Height (mm)	Length (M)	Std. Pkg. Qty.	Std. Ctn. Qty.
NNC50DWH2	50	2	2	40
NNC75DWH2	75	2	2	40

Available in WH (White) color only.

NOTE: Must be used with Mounting Base, DB-C (see page C1.24) 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.

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

- TMC Solid Divider Wall can be mounted inside TMC Wiring Duct to create multiple channels
- Material: Low smoke, low toxicity and low flammability thermoplastic

- Simply install the divider wall base when mounting the duct and snap the divider wall onto mounting base, DB-C

TMC**DW2

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

Available in BR (Natural Beige) color only.

NOTE: Must be used with Mounting Base, DB-C (see page C1.43) 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.

For service and technical support, call 800-777-3300 or visit www.panduit.com.

C1.25

PANDUCT® Type G & H Wiring Duct Wire Retainers

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

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

*For 2" width Type H Hinged Cover Wiring Duct use Part No. WR2H-C.

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

- Mounts onto walls of Type FS Raceway or Type D Duct with pressure sensitive adhesive
- One size fits three different duct widths
- Material: Lead-free PVC
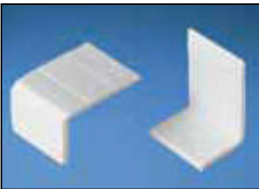
Part Number	For Duct Width In. (mm)	Std. Pkg. Qty.	Std. Ctn. Qty.
WRS-A-C10	1.00 (25.4) 1.50 (38.1) 2.00 (50.8)	100	1000

Full length is used with 2" wide duct. For smaller widths, break off segments at scorelines.
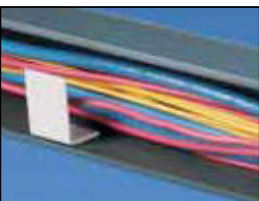
Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

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

- Used to contain wiring when cover is removed and can also be used as a labeling device
- FWR-C works with all Type F Duct sizes
- FMWR-C works with all Type MC and TMC sizes
- Material: Lead-free PVC

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

Full length for use with 4" wide duct. For smaller widths, break off segments at scorelines.
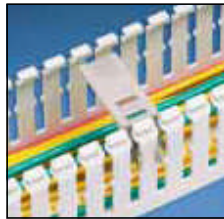
Labeling Inside Duct – Snaps onto duct fingers. Full length for use with 4" wide duct. For smaller widths, break off segments at scorelines.

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 and mount between fingers facing outward.
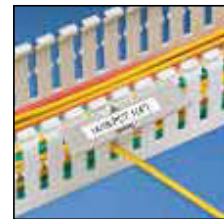
PANDUCT® Duct Corner Strip with 1" Bend Radius Control

- 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
- UL94 Flammability Rating of V-0
- Material: Lead-free PVC

CSPC*LG-Q

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

CSPC available in Light Gray color only.
Order number of feet required, in multiples of 6' or Standard Package Quantity.

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power & Grounding Connectors

E1. Labeling System

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Lockout/ Tagout & Safety Solutions

F. Index

For service and technical support, call 800-777-3300 or visit www.panduit.com.

C1.27

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 meet any size requirement
- Easy to install one-piece design
- Compatible with all styles of PANDUIT Wiring Duct
- UL94 Flammability Rating of V-0
- Material: Lead-free PVC

CS1LG6

CSP*LG-Q

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.	1.00	25.4	Light Gray	25	250
CSP1.5LG-Q				Light Gray	25	250
CSP2LG-Q				Light Gray	25	250
CSP3LG-Q		3.00	76.2	Light Gray	25	250
CSP4LG-Q		4.00	101.6	Light Gray	25	25

Available in LG (Light Gray) only.
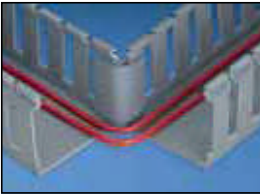
PANDUCT® Duct Joining Strips

- Slides onto duct to join sections together
- Available in four pre-cut sizes and six-foot lengths that can be cut to meet any size requirement
- Easy to install one-piece design
- Compatible with all styles of PANDUIT Wiring Duct
- UL94 Flammability Rating of V-0
- Material: Lead-free PVC

DJS16**

DJSP*LG-Q

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.	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.

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.
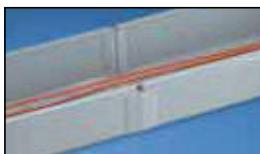
PANDUCT® Snap-Clip Mounting Bracket – Type G, F, FS, D, MC, NNC & TMC Wiring Duct

- 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
- Material: Spring steel

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 and D Wiring 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 and TMC Wiring Duct					
SNS25F-C	#8-32 x 1/4 (User Supplied)	1.00	25	100	1000
SNS37F-C	#8-32 x 1/4 (User Supplied)	1.50	37	100	1000
SNS50F-C	#8-32 x 1/4 (User Supplied)	2.00	50	100	1000
SNS62F-C	#8-32 x 1/4 (User Supplied)	2.50	62	100	1000
SNS75F-C	#8-32 x 1/4 (User Supplied)	3.00	75	100	1000

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

- Duct easily snaps into bracket
- Ensures no metal is inside the duct
- Snap-clip spacing is not critical
- Simplifies fabrication drawings and panel layout
- Material: Spring steel

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
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

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	100
	P32W2A2-50-72	72.0	65.5	1	9
2 x 1 thru 3 x 3	P32W2A2-50-7	7.0	6.4	1	100
	P32W2A2-50-72	72.0	65.5	1	9
3 x 4 thru 3 x 5	P32W2A2-75-7	7.0	6.4	1	60
	P32W2A2-75-72	72.0	65.5	1	7
4 x 1.5 thru 4 x 3	P32W2A2-50-7	7.0	6.4	1	100
	P32W2A2-75-72	72.0	65.5	1	9
4 x 4 thru 6 x 4	P32W2A2-75-7	7.0	6.4	1	60
	P32W2A2-75-72	72.0	65.5	1	7

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	**G1.5X1.5WH-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**	—
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 three 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

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.

Installation Tools

- DCT easily cuts any *PANDUCT*® Wiring Duct and Cover
- DNT-100 notches duct sidewalls to bottom scoreline for tees and corner junctions

- TNR installs or removes *PANDUIT* Nylon Rivets, NR1-C and NR1-M, quickly and easily
- DFCT easily removes duct fingers in tight places

DCT

DNT-100

TNR

DFCT

NR1-C and NR1-M

Part Number	Part Description	Std. Pkg. Qty
Duct Cutting Tool (For use with all duct/raceway types)		
DCT	Hand held duct cutting tool.	1
Replacement Blade Kit (Includes blade and nylon insert)		
DCT-BLD	Replacement blade kit with blade and nylon insert.	1
Replacement Nylon Insert		
DCT-RI	Replacement nylon insert.	5
Duct Notching Tool (For use with all slotted duct types)		
DNT-100	Hand held sidewall notching tool.	1
Nylon Rivet Installation Tool		
TNR	Hand held nylon rivet installation tool.	1
Duct Finger Cutting Tool (For use with all wide slotted duct types)		
DFCT	Hand held duct finger cutting 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

Total Thickness of Panel and Duct		Panel Hole Dia. Needed		ANSI Standard Drill Bit
In.	mm	In.	mm	
.158 – .187	4.0 – 4.7	.187	4.7	#15
.188 – .218	4.8 – 5.5	.193	4.9	#11
.219 – .250	5.6 – 6.4	.203	5.2	#7
.251 and up	6.5 and up	.213	5.4	#4

PANDUCT® Type G & D Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service at 800-777-3300 for specific dimensional needs.

For .5" high duct.

For .75", 1", 1.5", 2", 3", 4" and 5" high duct.

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

.67 ± .06 TYP
[16.94 ± 1.5]

.44 ± .02 Ø
[11.2 ± 0.5]

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 .5", .75", 1", and 1.5" wide duct.

.50 TYP [12.7]
.20 TYP [5.0]
4.0 [101.6] TYP
2.0 [50.8]

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

K
4.0 [101.6] TYP
2.0 [50.8]

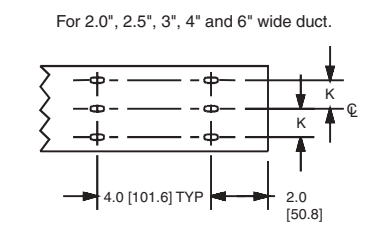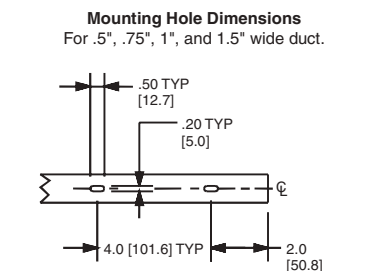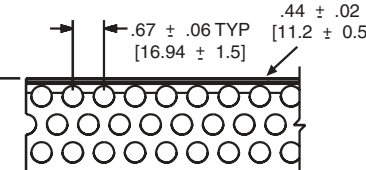| DUCT SIZE (W x H)	DIMENSIONS – Inches (mm)								
	A	B	C	D	E	F	H	K	T
.5 x .5 (12.7) x (12.7)	.69 (17.5)	.60 (15.2)	.69 (17.5)	.38 (9.5)	.37 (9.3)	.80 (20.3)	.50 (12.7)		.05 (1.3)
.5 x 1 (12.7) x (25.4)	.69 (17.5)	1.06 (26.9)	.69 (17.5)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.05 (1.3)
.5 x 2 (12.7) x (50.8)	.69 (17.5)	2.03 (51.6)	.69 (17.5)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.08 (2.0)
.5 x 4 (12.7) x (101.6)	.69 (17.5)	4.10 (104.1)	.69 (17.5)	2.25 (57.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)		.10 (2.4)
.75 x .75 (19.1) x (19.1)	.93 (23.6)	.82 (20.8)	.94 (23.9)	.56 (14.3)	.31 (7.9)	.80 (20.3)	0.75 (19.1)		.06 (1.4)
.75 x 1 (19.1) x (25.4)	.93 (23.6)	1.06 26.9	.94 (23.9)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.06 (1.4)
.75 x 1.5 (19.1) x (38.1)	.93 (23.6)	1.57 (39.9)	.94 (23.9)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)		.07 (1.8)
.75 x 2 (19.1) x (50.8)	.93 (23.6)	2.03 (51.6)	.94 (23.9)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.08 (2.0)
1 x 1 (25.4) x (25.4)	1.26 (32.0)	1.12 (28.4)	1.25 (31.8)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.06 (1.4)
1 x 1.5 (25.4) x (38.1)	1.26 (32.0)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)		.07 (1.8)
1 x 2 (25.4) x (50.8)	1.26 (32.0)	2.12 (53.8)	1.25 (31.8)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.08 (2.0)
1 x 3 (25.4) x (76.2)	1.26 (32.0)	3.12 (79.2)	1.25 (31.8)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)		.10 (2.4)
1 x 4 (25.4) x (101.6)	1.26 (32.0)	4.10 (104.1)	1.25 (31.8)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)		.11 (2.7)
1.5 x 1 (38.1) x (25.4)	1.75 (44.5)	1.12 (28.4)	1.75 (44.5)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.06 (1.5)
1.5 x 1.5 (38.1) x (38.1)	1.75 (44.5)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)		.07 (1.8)
1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	2.12 (53.8)	1.75 (44.5)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.08 (2.0)
1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.12 (79.2)	1.75 (44.5)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)		.10 (2.4)
1.5 x 4 (38.1) x (101.6)	1.75 (44.5)	4.10 (104.1)	1.75 (44.5)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)		.11 (2.7)
2 x 1 (50.8) x (25.4)	2.25 (57.2)	1.12 (28.4)	2.25 (57.2)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)	.50 (12.7)	.06 (1.5)
2 x 1.5 (50.8) x (38.1)	2.25 (57.2)	1.62 (41.1)	2.25 (57.2)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)	.50 (12.7)	.07 (1.8)
2 x 2 (50.8) x (50.8)	2.25 (57.2)	2.12 (53.8)	2.25 (57.2)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	.50 (12.7)	.08 (2.0)
2 x 3 (50.8) x (76.2)	2.25 (57.2)	3.12 (79.2)	2.25 (57.2)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	.50 (12.7)	.10 (2.4)
2 x 4 (50.8) x (101.6)	2.25 (57.2)	4.10 (104.1)	2.25 (57.2)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	.50 (12.7)	.11 (2.7)
2 x 5 (50.8) x (127.0)	2.25 (57.2)	5.10 (129.5)	2.25 (57.2)	4.63 (117.5)	.38 (9.5)	1.33 (33.9)	5.00 (127.0)	.50 (12.7)	.12 (2.9)
2.5 x 3 (63.5) x (76.2)	2.75 (69.9)	3.12 (79.2)	2.75 (69.9)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	.73 (18.4)	.10 (2.5)
3 x 1 (76.2) x (25.4)	3.25 (82.6)	1.12 (28.4)	3.25 (82.6)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)	1.00 (25.4)	.07 (1.8)
3 x 2 (76.2) x (50.8)	3.25 (82.6)	2.12 (53.8)	3.25 (82.6)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	1.00 (25.4)	.08 (2.0)
3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.12 (79.2)	3.25 (82.6)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	.10 (2.4)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.10 (104.1)	3.25 (82.6)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	.11 (2.7)
3 x 5 (76.2) x (127.0)	3.25 (82.6)	5.10 (129.5)	3.25 (82.6)	4.63 (117.5)	.38 (9.5)	1.33 (33.9)	5.00 (127.0)	1.00 (25.4)	.12 (2.9)
4 x 1.5 (101.6) x (38.1)	4.25 (108.0)	1.62 (41.1)	4.25 (108.0)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)	1.50 (38.1)	.07 (1.8)
4 x 2 (101.6) x (50.8)	4.25 (108.0)	2.12 (53.8)	4.25 (108.0)	1.63 (41.3)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	1.50 (38.1)	.08 (2.0)
4 x 3 (101.6) x (76.2)	4.25 (108.0)	3.12 (79.2)	4.25 (108.0)	2.63 (66.7)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.50 (38.1)	.10 (2.5)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.10 (104.1)	4.25 (108.0)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	.11 (2.7)
4 x 5 (101.6) x (127.0)	4.25 (108.0)	5.10 (129.5)	4.25 (108.0)	4.63 (117.5)	.38 (9.5)	1.33 (33.9)	5.00 (127.0)	1.50 (38.1)	.12 (2.9)
6 x 4 (152.4) x (101.6)	6.25 (158.8)	4.15 (105.4)	6.25 (158.8)	3.63 (92.1)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	2.50 (63.5)	.11 (2.8)

K dimension column note: ON CENTERLINE

> Available for Type G Wiring Duct only.
See page C1.43 for wiring duct color and size availability.

PANDUCT® Type F Wiring Duct & FS Raceway Dimensions

Dimensions are shown for reference only. Contact customer service at 800-777-3300 for specific dimensional needs.
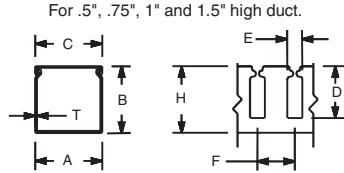
For .5", .75", 1" and 1.5" high duct.

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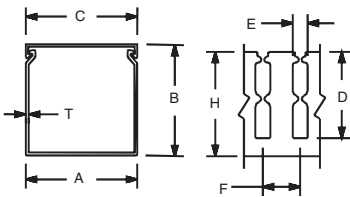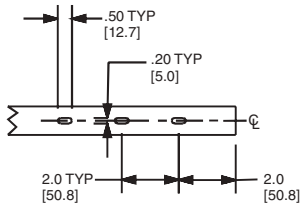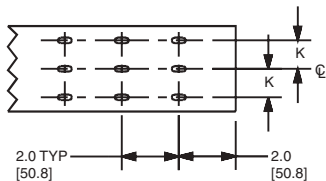For .5", .75", 1" and 1.5" wide duct.

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)								
	A	B	C	D	E	F	H	K	T
.5 x .5 (12.7) x (12.7)	.69 (17.5)	.60 (15.2)	.69 (17.5)	.38 (9.5)	.20 (5.0)	.50 (12.7)	.50 (12.7)		.05 (1.3)
.5 x 1 (12.7) x (25.4)	.69 (17.5)	1.06 (26.9)	.69 (17.5)	.75 (19.1)	.20 (5.0)	.50 (12.7)	1.00 (25.4)		.05 (1.3)
.75 x .75 (19.1) x (19.1)	.93 (23.6)	.82 (20.8)	.94 (23.9)	.56 (14.3)	.20 (5.0)	.50 (12.7)	.75 (19.1)		.06 (1.4)
.75 x 1.5 (19.1) x (38.1)	.93 (23.6)	1.57 (39.9)	.94 (23.9)	1.20 (30.5)	.20 (5.0)	.50 (12.7)	1.50 (38.1)		.07 (1.8)
1 x 1 (25.4) x (25.4)	1.26 (32.0)	1.12 (28.4)	1.25 (31.8)	.75 (19.1)	.20 (5.0)	.50 (12.7)	1.00 (25.4)		.06 (1.4)
1 x 1.5 (25.4) x (38.1)	1.26 (32.0)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	.20 (5.0)	.50 (12.7)	1.50 (38.1)		.07 (1.8)
1 x 2 (25.4) x (50.8)	1.26 (32.0)	2.12 (53.8)	1.25 (31.8)	1.63 (41.3)	.20 (5.0)	.50 (12.7)	2.00 (50.8)		.08 (2.0)
1 x 3 (25.4) x (76.2)	1.26 (32.0)	3.12 (79.2)	1.25 (31.8)	2.63 (66.7)	.20 (5.0)	.50 (12.7)	3.00 (76.2)		.10 (2.4)
1 x 4 (25.4) x (101.6)	1.26 (32.0)	4.10 (104.1)	1.25 (31.8)	3.63 (92.1)	.20 (5.0)	.50 (12.7)	4.00 (101.6)		.11 (2.7)
1.5 x 1 (38.1) x (25.4)	1.75 (44.5)	1.12 (28.4)	1.75 (44.5)	.75 (19.1)	.20 (5.0)	.50 (12.7)	1.00 (25.4)		.06 (1.5)
1.5 x 1.5 (38.1) x (38.1)	1.75 (44.5)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	.20 (5.0)	.50 (12.7)	1.50 (38.1)		.07 (1.8)
1.5 x 2 (38.1) x (50.8)	1.75 (44.5)	2.12 (53.8)	1.75 (44.5)	1.63 (41.3)	.20 (5.0)	.50 (12.7)	2.00 (50.8)		.08 (2.0)
1.5 x 3 (38.1) x (76.2)	1.75 (44.5)	3.12 (79.2)	1.75 (44.5)	2.63 (66.7)	.20 (5.0)	.50 (12.7)	3.00 (76.2)		.10 (2.4)
1.5 x 4 (38.1) x (101.6)	1.75 (44.5)	4.10 (104.1)	1.75 (44.5)	3.63 (92.1)	.20 (5.0)	.50 (12.7)	4.00 (101.6)		.11 (2.7)
2 x 1 (50.8) x (25.4)	2.25 (57.2)	1.12 (28.4)	2.25 (57.2)	.75 (19.1)	.20 (5.0)	.50 (12.7)	1.00 (25.4)	.50 (12.7)	.06 (1.5)
2 x 1.5 (50.8) x (38.1)	2.25 (57.2)	1.62 (41.1)	2.25 (57.2)	1.20 (30.5)	.20 (5.0)	.50 (12.7)	1.50 (38.1)	.50 (12.7)	.07 (1.8)
2 x 2 (50.8) x (50.8)	2.25 (57.2)	2.12 (53.8)	2.25 (57.2)	1.63 (41.3)	.20 (5.0)	.50 (12.7)	2.00 (50.8)	.50 (12.7)	.08 (2.0)
2 x 3 (50.8) x (76.2)	2.25 (57.2)	3.12 (79.2)	2.25 (57.2)	2.63 (66.7)	.20 (5.0)	.50 (12.7)	3.00 (76.2)	.50 (12.7)	.10 (2.4)
2 x 4 (50.8) x (101.6)	2.25 (57.2)	4.10 (104.1)	2.25 (57.2)	3.63 (92.1)	.20 (5.0)	.50 (12.7)	4.00 (101.6)	.50 (12.7)	.11 (2.7)
2 x 5 (50.8) x (127.0)	2.25 (57.2)	5.10 (129.5)	2.25 (57.2)	4.63 (117.5)	.20 (5.0)	.50 (12.7)	5.00 (127.0)	.50 (12.7)	.12 (2.9)
3 x 1 (76.2) x (25.4)	3.25 (82.6)	1.12 (28.4)	3.25 (82.6)	.75 (19.1)	.20 (5.0)	.50 (12.7)	1.00 (25.4)	1.00 (25.4)	.06 (1.7)
3 x 2 (76.2) x (50.8)	3.25 (82.6)	2.12 (53.8)	3.25 (82.6)	1.63 (41.3)	.20 (5.0)	.50 (12.7)	2.00 (50.8)	1.00 (25.4)	.08 (2.0)
3 x 3 (76.2) x (76.2)	3.25 (82.6)	3.12 (79.2)	3.25 (82.6)	2.63 (66.7)	.20 (5.0)	.50 (12.7)	3.00 (76.2)	1.00 (25.4)	.10 (2.4)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.10 (104.1)	3.25 (82.6)	3.63 (92.1)	.20 (5.0)	50 (12.7)	4.00 (101.6)	1.00 (25.4)	.11 (2.7)
3 x 5 (76.2) x (127.0)	3.25 (82.6)	5.10 (129.5)	3.25 (82.6)	4.63 (117.5)	.20 (5.0)	.50 (12.7)	5.00 (127.0)	1.00 (25.4)	.12 (2.9)
> 4 x 1.5 (101.6) x (38.1)	4.25 (108.0)	1.62 (41.1)	4.25 (108.0)	N/A	N/A	N/A	1.50 (38.1)	N/A	.07 (1.8)
4 x 2 (101.6) x (50.8)	4.25 (108.0)	2.12 (53.8)	4.25 (108.0)	1.63 (41.3)	.20 (5.0)	.50 (12.7)	2.00 (50.8)	1.50 (38.1)	.08 (2.0)
4 x 3 (101.6) x (76.2)	4.25 (108.0)	3.12 (79.2)	4.25 (108.0)	2.63 (66.7)	.20 (5.0)	.50 (12.7)	3.00 (76.2)	1.50 (38.1)	.10 (2.4)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.10 (104.1)	4.25 (108.0)	3.63 (92.1)	.20 (5.0)	.50 (12.7)	4.00 (101.6)	1.50 (38.1)	.11 (2.7)
4 x 5 (101.6) x (127.0)	4.25 (108.0)	5.10 (129.5)	4.25 (108.0)	4.63 (117.5)	.20 (5.0)	.50 (12.7)	5.00 (127.0)	1.50 (38.1)	.12 (2.9)
> 6 x 4 (152.4) x (101.6)	6.25 (158.8)	4.15 (105.4)	6.25 (158.8)	N/A	N/A	N/A	4.00 (101.6)	N/A	.11 (2.8)

> Available for Type FS Raceway only.
See page C1.43 for wiring duct color and size availability.

Mounting hole dimensions labels:
.50 TYP [12.7]
.20 TYP [5.0]
2.0 TYP [50.8]
2.0 [50.8]

Right side navigation tabs:
A. System Overview
B1. Cable Ties
B2. Cable Accessories
B3. Stainless Steel
C1. Wiring Duct
C2. Surface Raceway
C3. Abrasion Protection
C4. Cable Management
D1. Terminals
D2. Power & Grounding Connectors
E1. Labeling System
E2. Labels
E3. Pre-Printed & Write-On Markers
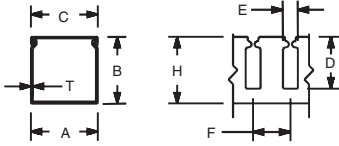E4. Lockout/ Tagout & Safety Solutions
F. Index

PANDUCT® Type MC & TMC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service at 800-777-3300 for specific dimensional needs.
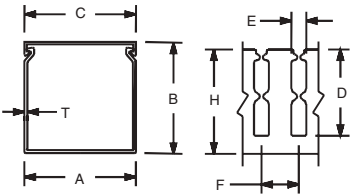
For 25mm, 37.5mm and 50mm high duct.

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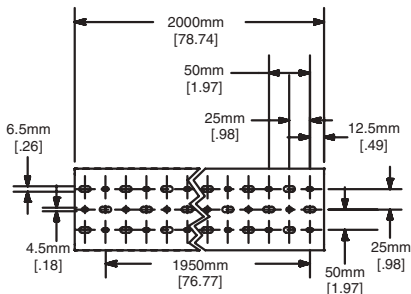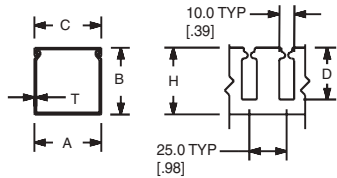

Note: 'A' dimension is measured at base.
Note: 'K' dimension shown in mounting hole dimensions below.

Mounting Hole Dimensions
For 25mm, 37.5mm and 50mm width duct.

For 75mm and 100mm width duct.

DUCT SIZE (W x H)	DIMENSIONS – mm (Inches)							
	A	B	C	D	E	F	H	T
> 25 x 25 (.98) x (.98)	24.6 (.97)	23.6 (.93)	24.6 (.97)	13.6 (.54)	5.0 (.20)	12.5 (.49)	20.5 (.81)	1.4 (.06)
25 x 37.5 (.98) x (1.48)	24.6 (.97)	35.8 (1.41)	24.6 (.97)	24.7 (.97)	5.0 (.20)	12.5 (.49)	33.0 (1.30)	1.4 (.06)
> 25 x 50 (.98) x (1.97)	24.6 (.97)	47.8 (1.88)	24.6 (.97)	34.8 (1.37)	5.0 (.20)	12.5 (.49)	45.5 (1.79)	1.5 (.06)
> 25 x 62.5 (.98) x (2.46)	24.6 (.97)	59.7 (2.35)	24.6 (.97)	45.8 (1.80)	5.0 (.20)	12.5 (.49)	58.0 (2.28)	1.5 (.06)
> 25 x 75 (.98) x (2.95)	24.6 (.97)	73.2 (2.88)	24.6 (.97)	57.6 (2.27)	5.0 (.20)	12.5 (.49)	70.5 (2.78)	1.7 (.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 (.97)	5.0 (.20)	12.5 (.49)	33.0 (1.30)	1.5 (.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 (.20)	12.5 (.49)	45.5 (1.79)	1.7 (.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 (.20)	12.5 (.49)	58.0 (2.28)	1.7 (.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 (.20)	12.5 (.49)	70.5 (2.78)	1.8 (.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 (.20)	12.5 (.49)	45.5 (1.79)	1.7 (.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 (.20)	12.5 (.49)	70.5 (2.78)	1.9 (.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 (.20)	12.5 (.49)	95.5 (3.76)	2.2 (.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 (.97)	5.0 (.20)	12.5 (.49)	33.0 (1.30)	1.7 (.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 (.20)	12.5 (.49)	58.0 (2.28)	1.8 (.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 (.20)	12.5 (.49)	45.5 (1.79)	2.0 (.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 (.20)	12.5 (.49)	58.0 (2.28)	2.0 (.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 (.20)	12.5 (.49)	70.5 (2.78)	2.2 (.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 (.20)	12.5 (.49)	95.5 (3.76)	2.3 (.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 (.20)	12.5 (.49)	45.5 (1.79)	2.0 (.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 (.20)	12.5 (.49)	58.0 (2.28)	2.0 (.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 (.20)	12.5 (.49)	70.5 (2.78)	2.5 (.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 (.20)	12.5 (.49)	99.5 (3.76)	2.5 (.10)

> Available for Type MC Wiring Duct only.

PANDUCT® Type NNC Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service at 800-777-3300 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.

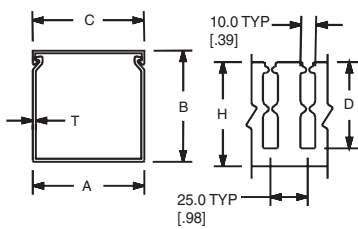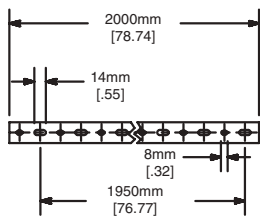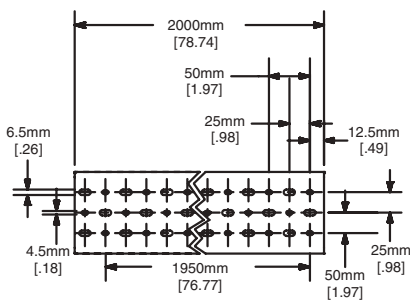| DUCT SIZE (W x H)	DIMENSIONS – mm (Inches)					
	A	B	C	D	H	T
25 x 25 (.98) x (.98)	24.6 (.97)	23.6 (.93)	24.6 (.97)	13.6 (.54)	20.3 (.80)	1.5 (.06)
25 x 37 (.98) x (1.48)	24.6 (.97)	35.8 (1.41)	24.6 (.97)	24.6 (.97)	33.0 (1.30)	1.8 (.07)
25 x 50 (.98) x (1.97)	24.6 (.97)	47.8 (1.88)	24.6 (.97)	34.8 (1.37)	45.5 (1.79)	2.0 (.08)
25 x 75 (.98) x (2.95)	24.6 (.97)	72.4 (2.85)	24.6 (.97)	57.6 (2.27)	70.6 (2.78)	2.0 (.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 (.97)	33.0 (1.30)	1.8 (.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 (.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 (.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 (.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 (.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 (.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 (.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 (.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 (.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 (.09)

PANDUCT® Type NE Wiring Duct Dimensions

Dimensions are shown for reference only. Contact customer service at 800-777-3300 for specific dimensional needs.

Left sidebar navigation:

For .5" high duct.

For 1", 1.25", 1.5", 1.75", 2", 2.5", 3", 4" and 5" high duct.

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

.50 TYP [12.7]
.195 TYP [5.0]
4.0 [101.6] TYP   2.0 [50.8]

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

4.0 [101.6] TYP   2.0 [50.8]

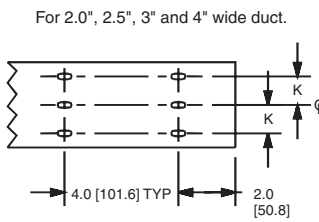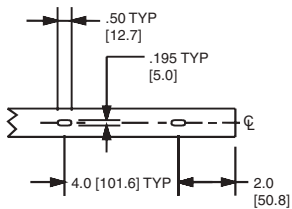| DUCT SIZE (W x H)	DIMENSIONS – Inches (mm)								
	A	B	C	D	E	F	H	K	T
.5 x .5 (12.7) x (12.7)	.63 (16.0)	.56 (14.2)	.69 (17.5)	.38 (9.7)	.37 (9.4)	.80 (20.3)	.50 (12.7)	ON CENTERLINE	.05 (1.3)
.5 x 1 (12.7) x (25.4)	.63 (16.0)	1.06 (26.9)	.69 (17.5)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.06 (1.5)
1 x 1 (25.4) x (25.4)	1.14 (29.0)	1.06 (26.9)	1.25 (31.8)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)		.06 (1.5)
1 x 1.5 (25.4) x (38.1)	1.14 (29.0)	1.62 (41.1)	1.25 (31.8)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)		.07 (1.8)
1 x 2 (25.4) x (50.8)	1.14 (29.0)	2.06 (52.3)	1.25 (31.8)	1.63 (41.4)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.07 (1.8)
1 x 3 (25.4) x (76.2)	1.14 (29.0)	3.06 (77.7)	1.25 (31.8)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)		.07 (1.8)
1 x 4 (25.4) x (101.6)	1.14 (29.0)	4.06 (103.1)	1.25 (31.8)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)		.08 (2.0)
1.5 x 1.5 (38.1) x (38.1)	1.64 (41.7)	1.62 (41.1)	1.75 (44.5)	1.20 (30.5)	.31 (7.9)	.80 (20.3)	1.50 (38.1)		.07 (1.8)
1.5 x 2 (38.1) x (50.8)	1.64 (41.7)	2.06 (52.3)	1.75 (44.5)	1.63 (41.4)	.31 (7.9)	.80 (20.3)	2.00 (50.8)		.07 (1.8)
1.5 x 3 (38.1) x (76.2)	1.64 (41.7)	3.06 (77.7)	1.75 (44.5)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)		.07 (1.8)
1.5 x 4 (38.1) x (101.6)	1.64 (41.7)	4.06 (103.1)	1.75 (44.5)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)		.08 (2.0)
2 x 1 (50.8) x (25.4)	2.14 (54.4)	1.06 (26.9)	2.25 (57.2)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)	.50 (12.7)	.06 (1.5)
2 x 2 (50.8) x (50.8)	2.14 (54.4)	2.06 (52.3)	2.25 (57.2)	1.63 (41.4)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	.50 (12.7)	.07 (1.8)
2 x 3 (50.8) x (76.2)	2.14 (54.4)	3.06 (77.7)	2.25 (57.2)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	.50 (12.7)	.07 (1.8)
2 x 4 (50.8) x (101.6)	2.14 (54.4)	4.06 (103.1)	2.25 (57.2)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	.50 (12.7)	.08 (2.0)
2.5 x 3 (63.5) x (76.2)	2.64 (67.1)	3.06 (77.7)	2.75 (69.9)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	.75 (19.1)	.07 (1.8)
3 x 1 (76.2) x (25.4)	3.14 (79.8)	1.06 (26.9)	3.25 (82.6)	.75 (19.1)	.31 (7.9)	.80 (20.3)	1.00 (25.4)	1.00 (25.4)	.06 (1.5)
3 x 2 (76.2) x (50.8)	3.14 (79.8)	2.06 (52.3)	3.25 (82.6)	1.63 (41.4)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	1.00 (25.4)	.07 (1.7)
3 x 3 (76.2) x (76.2)	3.14 (79.8)	3.06 (77.7)	3.25 (82.6)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	.07 (1.8)
3 x 4 (76.2) x (101.6)	3.14 (79.8)	4.06 (103.1)	3.25 (82.6)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	.08 (2.0)
3 x 5 (76.2) x (127.0)	3.14 (79.8)	5.06 (128.5)	3.25 (82.6)	4.63 (117.6)	.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.00 (25.4)	.09 (2.3)
4 x 2 (101.6) x (50.8)	4.14 (105.2)	2.06 (52.3)	4.25 (108.0)	1.63 (41.4)	.31 (7.9)	.80 (20.3)	2.00 (50.8)	1.50 (38.1)	.07 (1.8)
4 x 3 (101.6) x (76.2)	4.14 (105.2)	3.06 (77.7)	4.25 (108.0)	2.63 (66.8)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.50 (38.1)	.07 (1.8)
4 x 4 (101.6) x (101.6)	4.14 (105.2)	4.06 (103.1)	4.25 (108.0)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	.08 (2.0)
4 x 5 (101.6) x (127.0)	4.14 (105.2)	5.06 (128.5)	4.25 (108.0)	4.63 (117.6)	.38 (9.7)	1.33 (33.8)	5.00 (127.0)	1.50 (38.1)	.09 (2.3)

PANDUCT® **Type H & HS Wiring Duct Dimensions**

Dimensions are shown for reference only. Contact customer service at 800-777-3300 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)	.31 (7.9)	.80 (20.3)	1.92 (48.8)	On CL	.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)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)		.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)	.31 (7.9)	.80 (20.3)	1.92 (48.8)	.50 (12.7)	.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)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	.50 (12.7)	.10 (2.5)
2 x 4 (50.8) x (101.6)	2.17 (55.1)	4.10 (104.1)	4.38 (111.3)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	.50 (12.7)	.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)	.31 (7.9)	1.00 (25.4)	3.00 (76.2)	1.00 (25.4)	.10 (2.5)
3 x 4 (76.2) x (101.6)	3.25 (82.6)	4.10 (104.1)	3.38 (85.9)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.00 (25.4)	.11 (2.8)
4 x 4 (101.6) x (101.6)	4.25 (108.0)	4.10 (104.1)	4.38 (111.3)	3.63 (92.2)	.31 (7.9)	1.00 (25.4)	4.00 (101.6)	1.50 (38.1)	.11 (2.8)

For 1.5", 2.0", 3", 4" wide duct.

4.0 [101.6] TYP   2.0 [50.8]
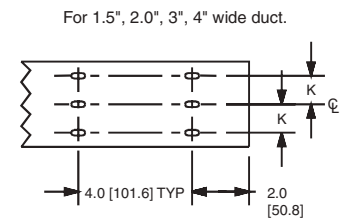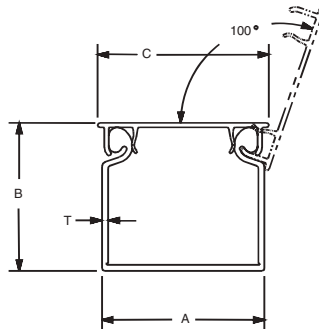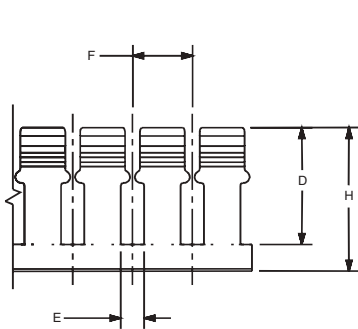
PANDUCT® **Type FL Wiring Duct Dimensions**

Dimensions are shown for reference only.
Dimensions are in mm (in.). Contact customer service at 800-777-3300 for specific dimensional needs.

NOMINAL DUCT SIZE (Wx H) mm	NOMINAL AREA mm²	ELECTRICAL	
		10 AWG 3.9 THHN	12 AWG 3.1 THHN
12 x 12	144	3	5
25 x 25	625	12	19
50 x 50	2500	43	67

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

Mounting Hole Dimensions
For FL12X12LG-A
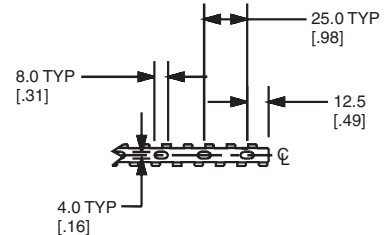
5.0 TYP [.20]
6.2 TYP [.25]

8.0 TYP [.31]
25.0 TYP [.98]
12.5 [.49]
4.0 TYP [.16]

For FL25X25LG-A & FL50X50LG-A

12.5 TYP [.49]
12.5 [.49]
25.0 TYP [.98]

Note: 'B' dimension is without adhesive.

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

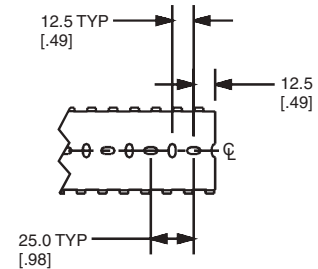| NOMINAL DUCT SIZE (W x H) inches	NOMINAL AREA in²	ELECTRICAL												COMMUNICATION		
		8 AWG	10 AWG	12 AWG		14 AWG			16 AWG		18 AWG		22 AWG	24 AWG		
		.216	.153	.122	.158	.105	.139	.165	.096	.125	.084	.113	.065	.217	.250	.422
		THHN	THHN	THHN	MTW	THHN	MTW	MTW	TFFN	MTW	TFFN	MTW	MTW	UTP/CM CAT 5e	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	268	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

See page C1.43 for wiring duct color and size availability. Not all sizes available for each duct type. 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 C1.41 for explanation of wirefill formula.

Formula to approximate wiring duct size needed:

Wire O.D. for multiple wire types:

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

Example:
15 wires with .165" O.D = 15 x .165 = 2.475
28 wires with .065" O.D. = 285 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 **wirefill comparison area** using the following formula:

Wirefill Comparison Area = Number of Wires x [1.75 x (Wire O.D.)²]

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

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

Area of Selected Duct ≥ Calculated Wirefill Comparison 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.

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

NOMINAL DUCT SIZE (W x H) mm.	NOMINAL AREA mm²	ELECTRICAL												COMMUNICATION		
		8 AWG	10 AWG	12 AWG		14 AWG			16 AWG		18 AWG		22 AWG	24 AWG		
		5.5	3.9	3.1	4.0	2.7	3.5	4.2	2.4	3.2	2.1	2.9	1.7	5.5	6.4	10.7
		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

See for wiring duct color and size availability. Not all sizes available for each duct type. Wirefill is based on 50% cross-sectional area.
Formula for 50% wirefill = Nominal Area/(1.75 x D²)

PANDUCT® Type H & HS Wiring Duct – Wirefill Capacity

NOMINAL DUCT SIZE (W x H) inches	NOMINAL AREA in²	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	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. Formula for 50% wirefill = Nominal Area/(1.85 x D²)

PANDUCT® Type FL Wiring Duct – Wirefill Capacity

NOMINAL DUCT SIZE (W x H) mm	NOMINAL AREA mm²	ELECTRICAL	
		10 AWG	12 AWG
		3.9	3.1
		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.

A. System Overview

B1.Cable Ties

B2. Cable Accessories

B3. Stainless Steel

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power & Grounding Connectors

E1. Labeling System

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Lockout/ Tagout & Safety Solutions

F. Index

PANDUCT® Type NE Wiring Duct – Wirefill Capacity

NOMINAL DUCT SIZE (W x H) inches	NOMINAL AREA in²	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	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:

$$\text{Number of Wires} = \frac{\text{Duct W} \times \text{H}}{2.00 \times (\text{Wire O.D.})^2}$$

See for explanation of wirefill formula.

Formula to approximate wiring duct size needed:

Wire O.D. for multiple wire types:

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

Example:
15 wires with .165" O.D = 15 x .165   = 2.475
28 wires with .065" O.D. = 285 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 **wirefill comparison area** using the following formula:

Wirefill Comparison Area = Number of Wires x [2 x (Wire O.D.)²]

Example: Wirefill Comparison 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.

Area of Selected Duct ≧ Calculated Wirefill Comparison Area

Example: For Duct Size .75" x 1.5" Duct Area = .75 x 1.5 = 1.125 sq. in.
(No good 1.125 < 1.1357
For Duct Size 1.5" x 1" Duct Area = 1.5 x 1 = 1.1500 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, HS, 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
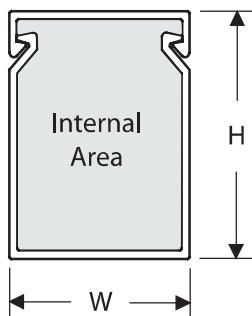
Since we use the outer channel dimensions in our calculation we make an adjustment in our formula for the thickness of material and for design elements that extend inside the channel.

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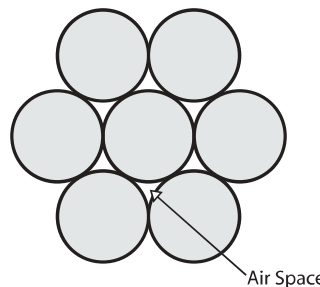
In our wirefill formula an adjustment is made to the channel internal area to account for "unusable" air space that will be present between cables when placed in the channel. Our formula assumes a uniform close packed or high-density cable arrangement (see diagram) (Note 1).

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

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

$$A_{WIRE} = \pi r^2$$
$$A_{WIRE} = (\pi/4) \times D^2$$
$$A_{WIRE} = .785 \times D^2$$

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

$$50\% \text{ Wirefill} = .50 \left(\frac{(W \times H) \times .90}{.785 \times D^2} \right)$$

Simplifying this formula results in the formula used for wire fill calculation (Note 2):

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

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 x D^2 (rather than 1.75 x D^2 as shown here) and Type H and HS Wiring Duct with a profile design that results in a divisor of 1.85 x D^2.

PANDUCT® Wiring Duct and Raceway – Material Specifications

PROPERTIES	UNITS	TEST METHOD	LEAD-FREE PVC	HALOGEN FREE MODIFIED PPO (NNC)	NORYL (NE)	POLYPROPYLENE (FL)	LOW SMOKE/ LOW TOXICITY (TMC)
GENERAL							
Specific Gravity	g/cc	ASTM D 792	1.45	1.09	1.08	.95	1.56
Heat Deflection Temperature @264 psi	°F	ASTM D 648	156	215	212	117	222
Thermal Expansion	10-5 in/in/°F	ASTM D 696	3.7	3.8	3.8	N/A	3.8
Thermal Conductivity	(BTU-in/hr-ft^2)°F	ASTM C 177	1.3	1.3	1.1	N/A	N/A
BURNING CHARACTERISTICS							
Flammability Class	—	UL94	V-0	V-0	V-1	V-2	V-0
Smoke Density @ 4 Minutes	—	ASTM E 662	538	513	782	N/A	92
Limited Oxygen Index (LOI)	—	ASTM D 2863	35	30	30	25	58
Peak Heat Release Rate	kW/m2	ASTM E 1354	N/A	N/A	N/A	N/A	49.3
HARDNESS							
Durometer Hardness	"D"	ASTM D 2240	78	N/A	85	N/A	N/A
Rockwell Hardness	"R"	ASTM D 785	111	116	115	N/A	118
TENSILE							
Strength at Yield	psi	ASTM D 638	6,200	7,700	6,900	3,770	6,600
Modulus	psi	ASTM D 638	390,000	350,000	380,000	172,000	316,000
FLEXURAL							
Strength at Yield	psi	ASTM D 790	8,700	11,500	11,400	4,350	11,900
Modulus	psi	ASTM D 790	325,000	340,000	365,000	181,250	317,000
IMPACT STRENGTH							
Notched Izod (.125")		ASTM D 256					
23°C (73°F)	ft-lb/in		4.0	5.0	5.0	1.80	3.0
0°C (32°F)	ft-lb/in		1.6	2.0	N/A	N/A	N/A
ELECTRICAL PROPERTIES							
Power Factor:		ASTM D 150					
60 Hz @30°C (86°F)	—		2.90	N/A	N/A	N/A	N/A
1 MHz @30°C (86°F)	—		4.00	N/A	N/A	N/A	N/A
Dielectric Constant:		ASTM D 150					
60 Hz @30°C (86°F)	—		3.90	N/A	2.65	N/A	N/A
1 MHz @30°C (86°F)	—		3.30	N/A	N/A	N/A	N/A
Dielectric Strength:		ASTM D 149					
Normal	volts/mil	IEC 243-1	690	N/A	400	N/A	N/A
Moist	volts/mil		700	N/A	N/A	N/A	N/A

Note: To the best of our knowledge the above information is accurate.
PANDUIT assumes no liability for the accuracy or completeness of this information.

Rigid Polyvinyl Chloride (PVC)

A general purpose material for use in indoor applications. PVC has a UL flammability rating of V-0 and is UL94 Recognized for continuous use temperatures up to 122°F (50°C). PVC is an economical wiring duct material.

Halogen Free (Modified PPO)

A special purpose material for use in halogen free or high temperature applications. Modified PPO has a UL94 flammability rating of V-0 and is UL Recognized for continuous use temperatures up to 203°F (95°C), and is 20% lighter than PVC.

NORYL* Halogen Free

A special purpose material for use in halogen free or high temperature applications. NORYL* has a UL94 flammability rating of V-1 and is UL Recognized for continuous use temperatures up to 203°F (95°C), and is 20% lighter than PVC.

Polypropylene

A flexible material with a UL94 flammability rating of V-2 and that is UL Recognized for continuous use temperatures up to 149°F (65°C).

Low Smoke/ Low Toxicity

A special purpose material for use where low smoke, low toxicity and low flammability characteristics are critical. Ideally suited for transportation industry regulations. Low smoke/ low toxicity has a UL94 flammability rating of V-0 and is UL Recognized for continuous use temperatures up to 176°F (80°C).

*NORYL is a registered trademark of General Electric Company.

PANDUCT® Wiring Duct and Raceway – Color and Size Selection

Duct Size W x H (inches)	Duct Size W x H (Metric)	LG Light Gray							WH White								BL Black						IB Intrinsic Blue*	BR Beige	IG International Gray
		G	F	FS	D	H	HS	NNC	G	F	FS	D	NE	H	HS	NNC	MC	G	FS	D	H	HS			
.5 x .5		G	F	FS					G	F	FS		NE												
.5 x 1		G	F	FS					G	F			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	25 x 25	G	F	FS				NNC	G	F	FS		NE			NNC	MC	G	FS				G		MC
1 x 1.5	25 x 37	G	F	FS				NNC	G	F			NE			NNC	MC	G						TMC	MC
1 x 2	25 x 50	G	F	FS	D			NNC	G	F			NE			NNC	MC	G		D			G		MC
1 x 2.5	25 x 62																MC								MC
1 x 3	25 x 75	G	F	FS	D			NNC	G	F		D	NE			NNC	MC	G		D					MC
1 x 4	25 x 100	G	F	FS	D				G	F		D	NE					G		D					
1.5 x 1		G	F	FS					G	F	FS														
1.5 x 1.5	37 x 37	G	F	FS				NNC	G	F	FS		NE			NNC	MC	G	FS					TMC	MC
1.5 x 2	37 x 50	G	F	FS	D	H	HS	NNC	G	F			NE	H	HS	NNC	MC	G		D	H				MC
1.5 x 2.5	37 x 62																MC								MC
1.5 x 3	37 x 75	G	F	FS	D	H	HS	NNC	G	F		D	NE	H	HS	NNC	MC	G		D	H				MC
1.5 x 4		G	F		D				G	F		D	NE					G		D					
2 x 1		G	F	FS					G	F	FS		NE					G							
2 x 1.5		G	F	FS					G	F	FS														
2 x 2	50 x 50	G	F	FS	D	H	HS	NNC	G	F	FS	D	NE	H	HS	NNC	MC	G	FS	D	H	HS	G	TMC	MC
2 x 3	50 x 75	G	F	FS	D	H	HS	NNC	G	F	FS	D	NE	H	HS	NNC	MC	G		D	H		G		MC
2 x 4	50 x 100	G	F	FS	D	H	HS	NNC	G	F		D	NE	H	HS	NNC	MC	G		D	H				MC
2 x 5		G	F						G	F															
2.5 x 1.5	62 x 37																MC								MC
2.5 x 2.5	62 x 62																MC								MC
2.5 x 3		G			D				G				NE					G							
3 x 1		G	F	FS					G	F	FS		NE												
3 x 2	75 x 50	G	F	FS	D				G	F	FS		NE				MC	G	FS					TMC	MC
3 x 2.5	75 x 62																MC								MC
3 x 3	75 x 75	G	F	FS	D	H	HS	NNC	G	F	FS	D	NE	H	HS	NNC	MC	G	FS	D	H		G	TMC	MC
3 x 4	75 x 100	G	F	FS	D	H			G	F	FS	D	NE	H			MC	G		D	H		G		MC
3 x 5		G	F	FS					G	F	FS		NE												
4 x 1.5		G		FS					G																
4 x 2	100 x 50	G	F	FS	D			NNC	G	F	FS		NE			NNC	MC	G		D				TMC	MC
4 x 2.5	100 x 62																MC								MC
4 x 3	100 x 75	G	F	FS	D			NNC	G	F	FS		NE			NNC	MC	G						TMC	MC
4 x 4	100 x 100	G	F	FS	D	H	HS	NNC	G	F	FS	D	NE	H	HS	NNC	MC	G	FS	D	H	HS	G		MC
4 x 5		G	F	FS					G				NE					G							
6 x 4		G		FS					G																

*Intrinsic Blue Color – IB

Intrinsic Blue wiring duct is made from the same lead-free 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 . 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.

Part Number System for Wiring Duct

G	.5	X	.5	LG	6	-A

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

*NORYL is a registered trademark of General Electric Company.

PANDUIT Wiring Duct Approvals and Compliances

Logo (Symbol)	Agency	Spec/Approval	Requirement	Applicable Products
RU®	Underwriters Laboratories, Inc.	File No. E147128	UL Standard 1565 "Positioning Devices."	All types of Wiring Duct
CSA®	Canadian Standards Association	File No. 016446, 210335	CSA Standard C22.2 No.18.5-02 "Positioning Devices."	All types of Wiring Duct
CE	Conformite European	LVD 73/23/EEC Attended by 93/68/EEC	ENC50085 cable trunking system and cable ducting systems for electrical installations	Wiring Duct Types: H, HS, G, F, D, MC, FS, NNC, TMC and NE

Logo (Symbol)	Agency	Complies with:	Requirement	Applicable Products
	DIN (Deutsches Institut fur Normung), German Institute for Standardization	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 060 Part 506. The dimensions specified with the standard include: • The channel mounting hole pattern, slot dimensions, pitch and location • The distance from the first to last like size mounting hole • Minimum overall product length	Wiring Duct Types: MC, TMC and NNC
	National Fire Protection Agency	NFPA 79-2002, section 14.3.1	"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.	All Types
		NFPA 79-2002, section 14.5.2	*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.	All Types
		NFPA 79-2002, section 14.1.4.9	*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.	Duct Corner Strip with 1" Bend Radius Control
		NFPA 130, 2003 edition	Performance Criteria for the Flammability and Smoke Emission Characteristics of Materials used in Fixed Guideway Vehicles and Passenger Rail Cars.	Type TMC Wiring Duct
	Underwriters Laboratories, Inc.	UL508, section 15	An insulating barrier (divider wall) shall be manufactured from an insulating material exhibiting minimum properties including High Current Arc Resistance to ignition (HAI), Hot Wire Ignition (HWI), Comparative Tracking Index (CTI), electrical Relative Thermal Index (RTI) and flame class.	PVC Divider Wall

PANDUIT Wiring Duct Approvals and Compliances (continued)

Logo (Symbol)	Description	Spec/Approval	Requirement	Applicable Products
ET	Elevated Temperature	*PANDUIT* logo	Material is rated for a continuous use temperature above 167°F (75°C).	Wiring Duct Types: NE, NNC and NNC
HF	Halogen Free IEC 60754-2	*PANDUIT* logo	Material contains no fluorine, bromine or chlorine and will not emit any corrosive or toxic gases when burned, confirmed using IEC 60754-2 test method.	Wiring Duct Types: NE and NNC
LF	Low Flammability UL94V-0	*PANDUIT* logo	Per UL standard, material is self-extinguishing and has excellent fire resistance.	Wiring Duct Types: NNC, TMC and all PVC wiring duct
LS	Low Smoke ASTM E 662	*PANDUIT* logo	Per ASTM test method and NFPA 130 Standard, material exceeds the requirements for low smoke generating material.	Wiring Duct Type TMC
LT	Low Toxicity Boeing and Airbus BSS-7239, ATS 1000.1	*PANDUIT* logo	Per the Boeing and Airbus test standards, material exceeds the requirements for low levels of toxic gas release.	Wiring Duct Types: NNC and TMC

FIBER-DUCT™ ROUTING SYSTEM

PANDUIT provides leading solutions for cable routing. These routing products are compatible with our cable management solutions increasing your ability to maintain an orderly and clean work environment, implement quick and easy moves, adds and changes and maintain the integrity of your fiber and copper cabling plant in order to maximize long-term performance.

Two system sizes available: 4x4 and 2x2

Minimum 2" (50.8mm) bend radius fittings protect against signal loss due to excessive cable bends

Snap-on non-slip covers

Compatible with *PANDUIT*® *FIBERRUNNER*® 12x4, 6x4, 4x4 and 2x2 Routing Systems

The 2x2 and 4x4 *FIBER-DUCT*™ Routing Systems are comprised of channel, fittings and brackets designed to segregate, route and protect fiber optic and copper cabling to and between racks within the telecommunications room.

2x2 and 4x4 *FIBER-DUCT*™ Routing Systems Roadmap
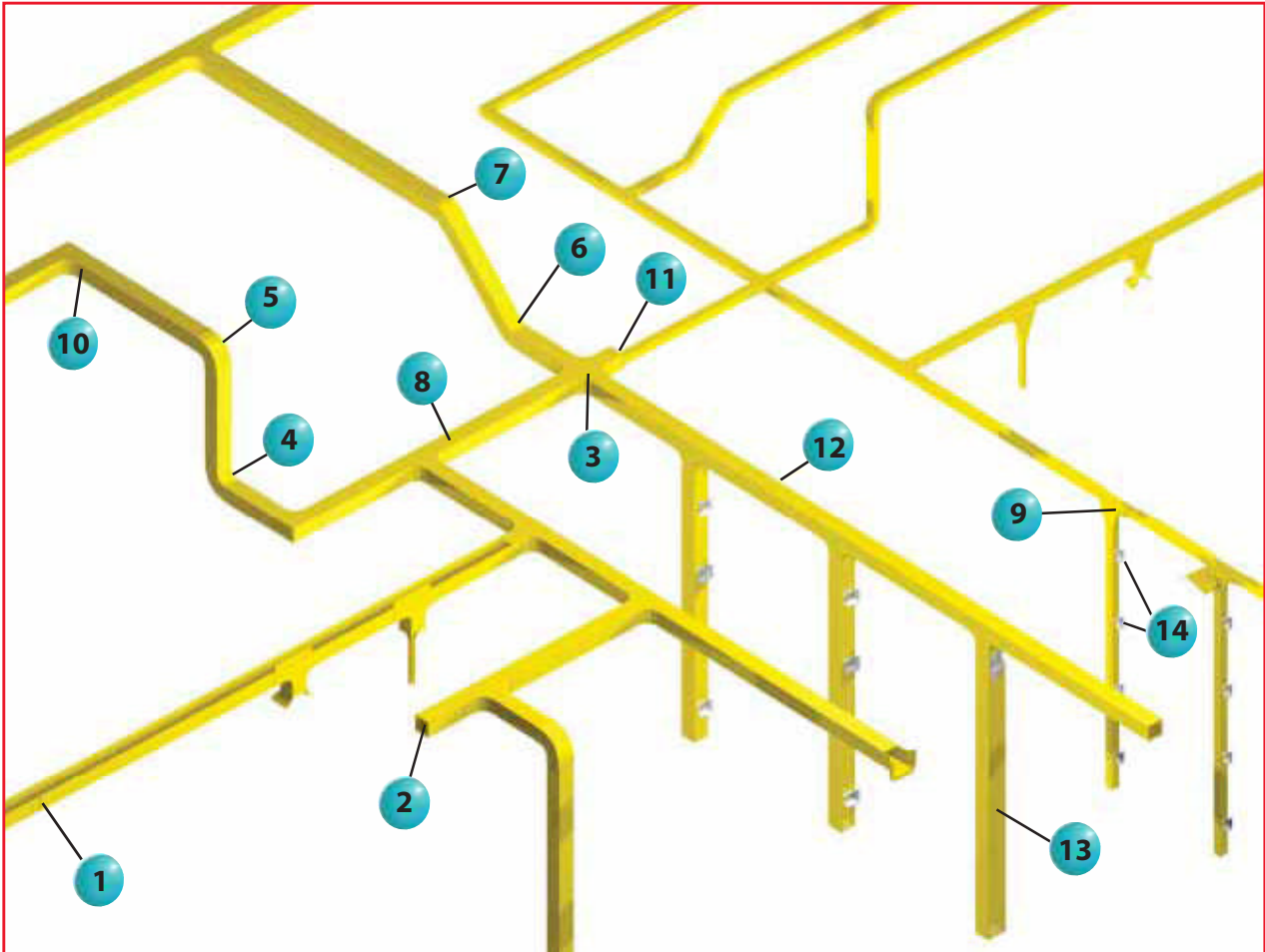
FIBER-DUCT™ Mounting Brackets
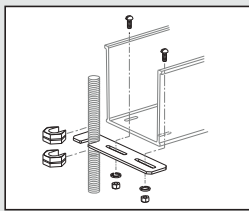
Existing Threaded Rod Bracket for *FIBER-DUCT*™ System
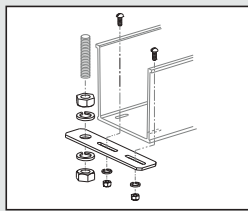
New Threaded Rod Bracket for *FIBER-DUCT*™ System
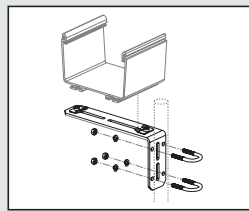
Under-Floor Pedestal Bracket for *FIBER-DUCT*™ System
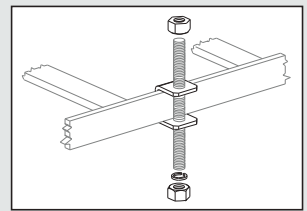
Bracket for Attaching Threaded Rod to 1 1/2" Ladder Rack
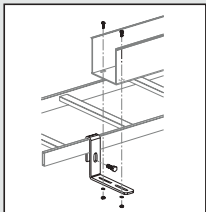
Ladder Rack Bracket for *FIBER-DUCT*™ System
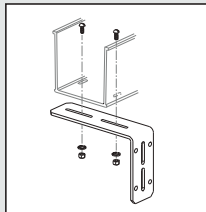
"L" Wall Mount Bracket for *FIBER-DUCT*™ System
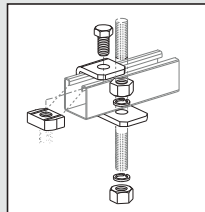
Strut Metal Framing Bracket
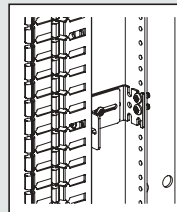
Adjustable "Z" Bracket
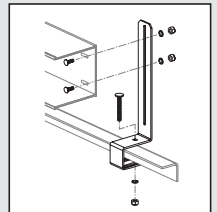
Top Rail of Rack Support Bracket
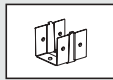
1	**Coupler Fitting (see page C1.50)**
2	**End Cap Fitting (see page C1.51)**
3	**Four Way Cross Fitting (see page C1.51)**
4	**Inside Vertical Right Angle (see page C1.51)**
5	**Outside Vertical Right Angle (see page C1.51)**
6	**Inside Vertical 45° Angle (see page C1.51)**
7	**Outside Vertical 45° Angle (see page C1.51)**
8	**Horizontal Tee Fitting (see page C1.51)**
9	**Vertical Tee Fitting (see page C1.52)**
10	**Horizontal Right Angle Fitting (see page C1.50)**
11	**Reducer Fitting (see page C1.51)**
12	***FIBER-DUCT*™ Channel (see page C1.50)**
13	***FIBER-DUCT*™ Slotted Channel (see page C1.50)**
14	**Bend Radius Control Trumpet (see page C1.53)**
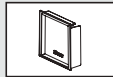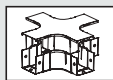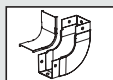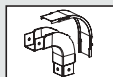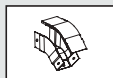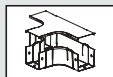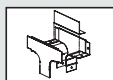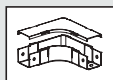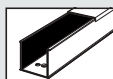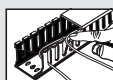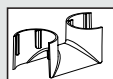
A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power & Grounding Connectors

E1. Labeling System

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Lockout/ Tagout & Safety Solutions

F. Index

2x2 and 4x4 *FIBER-DUCT*™ Routing Systems

- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Snap on non-slip covers
- Compatible with *PANDUIT*® *FIBERRUNNER*® 2x2, 4x4, 6x4 and 12x4 Routing Systems
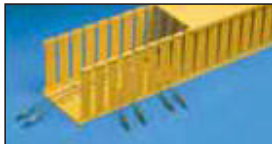
**S2X2
S4X4**

**E2X2
E4X4**

**C2
C4**

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
FIBER-DUCT™ Channel				
S2X2YL6NM	Used to carry the cables throughout the *FIBER-DUCT*™ Routing System. Accepts cover C2YL6. Cover sold separately.	2x2	6	120
S4X4YL6NM	Used to carry the cables throughout the *FIBER-DUCT*™ Routing System. Accepts cover C4YL6. Cover sold separately.	4x4	6	60
FIBER-DUCT™ Slotted Channel				
E2X2YL6	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts cover C2YL6. Extra supports required when used in horizontal applications. Cover sold separately.	2x2	6	120
E4X4YL6	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts cover C4YL6. Extra supports required when used in horizontal applications. Cover sold separately.	4x4	6	60
FIBER-DUCT™ Cover				
C2YL6	Cover for *FIBER-DUCT*™ channel and *FIBER-DUCT*™ slotted channel. Non-slip cover design incorporates integral high friction lining to inhibit cover movement.	2x2	6	120
C4YL6	Cover for *FIBER-DUCT*™ channel and *FIBER-DUCT*™ slotted channel. Non-slip cover design incorporates integral high friction lining to inhibit cover movement.	4x4	6	120

NOTE: Available with mounting holes. To order, delete NM from the part number.
For fastest installation use NR2WH-L or NR4BL-L Snap Rivets.
For other colors replace YL (Yellow) with OR (Orange) or BL (Black).
Order number of feet required, in multiples of standard 6' length increments.

FIBER-DUCT™ System Fittings

**FCF2X2
FCF4X4**

**FRA2X2
FRA4X4**

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Coupler Fitting				
FCF2X2YL	Used to join two sections of duct together. *FIBER-DUCT*™ coupler is not required at each fitting connection.	2x2	1	5
FCF4X4YL		4x4	1	5
Horizontal Right Angle Fitting				
FRA2X2YL	Attaches to channel to create a 90° horizontal turn from a straight horizontal run. Cover included.	2x2	1	5
FRA4X4YL		4x4	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).
Fittings include 5/16" assembly holes for fast mechanical fastening.

FIBER-DUCT™ System Fittings (continued)

FT2X2
FT4X4

FFWC2X2
FFWC4X4

FEC2X2
FEC4X4

FIV452X2
FIV454X4

FOV452X2
FOV454X4

FIVRA2X2
FIVRA4X4

FOVRA2X2
FOVRA4X4

FRF42

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Horizontal Tee Fitting				
FT2X2YL	Attaches to channel to create a 90° horizontal branch from a straight horizontal run. Cover included.	2x2	1	5
FT4X4YL		4x4	1	5
Four Way Cross Fitting				
FFWC2X2YL	Attaches to channel to create a horizontal four way cross intersection. Cover included.	2x2	1	5
FFWC4X4YL		4x4	1	5
End Cap Fitting				
FEC2X2YL	Used for closing off open ends of the channel. No coupler required. Push-on installation.	2x2	1	5
FEC4X4YL		4x4	1	5
Inside Vertical 45° Angle Fitting				
FIV452X2YL	Attaches to channel to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FOV452X2YL or FOV454X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FIV454X4YL		4x4	1	5
Outside Vertical 45° Angle Fitting				
FOV452X2YL	Attaches to channel to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FIV452X2YL or FIV454X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FOV454X4YL		4x4	1	5
Inside Vertical Right Angle Fitting				
FIVRA2X2YL	Attaches to channel to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FOVRA2X2YL or FOVRA4X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FIVRA4X4YL		4x4	1	5
Outside Vertical Right Angle Fitting				
FOVRA2X2YL	Attaches to channel to create a 90° downward angle from a straight horizontal run. Used with inside vertical 90° angle fitting FIVRA2X2YL or FIVRA4X4YL to change level of straight horizontal runs. Cover included.	2x2	1	5
FOVRA4X4YL		4x4	1	5
4x4 to 2x2 FIBER-DUCT™ Reducer Fitting				
FRF42YL	Joins any 4x4 FIBER-DUCT™ fitting to the 2x2 FIBER-DUCT™ channel, S2X2YL6 or E2X2YL6. Includes cover.	2x2 4x4	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).
Fittings include 5/16" assembly holes for fast mechanical fastening.

FIBER-DUCT™ Spillouts

FVTHD2X2

FTR2X2

FIDT2X2

FVT4X4

FTR4X4

FIDT4X4BL

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
2x2 Vertical Tee				
FVTHD2X2YL	Attaches to 2x2 channel to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts channel cover in conjunction with channel. Use QUIKLOCK™ coupler FBC2X2YL with HS2X2YL6 or H2X2YL6 channels. Use snap rivets NR2WH-L or bolts F14PN-L with S2X2YL6 or E2X2YL6 channels. Also accepts FIDT2X2YL.	2x2	1	5
3-Sided BRC Trumpet Spillout for 2x2 Exit				
FTR2X2YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a FIBERRUNNER® spill-over fitting FRSPYL or from 2x2 FIBER-DUCT™ channel.	2x2	1	5
1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT2X2YL	Used to route cable into one piece of 1.5" (38mm) diameter split corrugated tubing. Used with FIBERRUNNER® spill-over fitting FRSPYL, 2x2 FIBER-DUCT™ fittings and the 2x2 FIBERRUNNER® hinged channel. Securely holds split corrugated tubing to ensure system integrity and easy access to add or remove cables.	2x2	1	5
4x4 Vertical Tee				
FVT4X4YL	Attaches to channel to create a 90° vertical drop from a horizontal run. Accepts FIDT4X4BL, FTR4X4YL, S4X4YL6 or E4X4YL6 directly.	4x4	1	5
3-Sided Vertical Tee Trumpet Spillout				
FTR4X4YL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a 4x4 or 6x4 FIBERRUNNER® vertical tee and 4x4 FIBER-DUCT™ fittings.	4x4	1	5
2-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing				
FIDT4X4BL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT6X4YL, FRVT4X4YL or FVT4X4YL. Securely holds corrugated split tubing to ensure system integrity and easy access to add or remove cables. Black color only.	4x4	1	5

For other colors replace suffix YL (Yellow) with OR (Orange) or BL (Black).

Order number of pieces required, in multiples of Standard Package Quantity.   Prime items appear in **BOLD**.

FIBER-DUCT™ **Bend Radius Control Trumpets**

• Provides method to transition cabling into rack system   • Maintains 1" (25.4mm) bend radius control
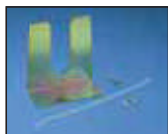
TRC2BL

TRC4BL

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
TRC2BL	Bend radius control trumpet for exiting at the sidewall of 2" wall heights of Type E *FIBER-DUCT*™ channels.	2x2	1	10
TRC4BL	Bend radius control trumpet for exiting at the sidewall of 4" wall heights of Type E *FIBER-DUCT*™ channels.	4x4	1	10

FIBER-DUCT™ **Accessories**
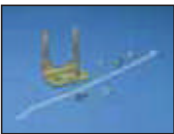
FITF2X2   **FITF4X4A**

FITF4X4B   **NR2WH-L NR4BL-L**

F14PWN-L   **F14PN-L**

FBB

Part Number	Part Description	System Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Innerduct Transition Fitting – 2x2 Size				
FITF2X2	Provides transition from 2x2 *FIBER-DUCT*™ Routing System to 3/4" (19mm) or 1" (25.4mm) inner duct.	2x2	1	10
Innerduct Transition Fitting – 4x4 Size				
FITF4X4A	Provides transition from 4x4 *FIBER-DUCT*™ Routing System to two pieces of 1" (25.4mm) inner duct.	4x4	1	10
Innerduct Transition Fitting – 4x4 Size				
FITF4X4B	Provides transition from 4x4 *FIBER-DUCT*™ Routing System to two pieces of 1 1/4" (31.8mm) inner duct.	4x4	1	10
Snap Rivets				
NR2WH-L	Snap rivet fastens channel and fittings together for added strength and rigidity. Snap rivet mounts flush to surfaces.	2x2	50	500
NR4BL-L		4x4	50	500
Plastic Bolts and Nuts				
F14PWN-L	1/4" plastic bolts and wing nuts fastens channel and fittings together for added strength and rigidity.	2x2 4x4	50	500
F14PN-L	1/4" plastic bolts and hex nuts fastens channel and fittings together for added strength and rigidity.	2x2 4x4	50	500
Snap Bracket Clip				
FBB2-X	Snap bracket enables the *FIBER-DUCT*™ channel to be quickly and securely mounted. Contains all hardware for assembly to any *FIBER-DUCT*™ bracket.	2x2	10	100
FBB4-X		4x4	10	100

FIBER-DUCT™ Mounting Brackets

FTRBE12, FTRBE58 FTRBE12M

FTRBN12, FTRBN58 FTRBN12M

FUSB
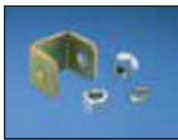
FLB12X15 FLB58X15 FLB12X20 FLB58X20

FLRB

FLB

FTRB12 FTRB58

FZBA1.5X4

Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Existing Threaded Rod Bracket for FIBER-DUCT™ System				
FTRBE12	Used for supporting the 2x2 and 4x4 FIBER-DUCT™ Systems from existing threaded rod installations. Bracket is secured to threaded rod with two split nuts. Contains hardware for attaching to threaded rods and hardware for mounting channel to bracket.	1/2"	1	10
FTRBE58		5/8"	1	10
FTRBE12M		12mm	1	10
New Threaded Rod Bracket for FIBER-DUCT™ System				
FTRBN12	Used for supporting the 2x2 and 4x4 FIBER-DUCT™ Systems from new threaded rod installations. Bracket is secured to threaded rod with two nuts. Contains hardware for attaching to threaded rods and hardware for mounting channel to bracket.	1/2"	1	10
FTRBN58		5/8"	1	10
FTRBN12M		12mm	1	10
Under-Floor Pedestal for FIBER-DUCT™ System				
FUSB	Used to support the 2x2 and 4x4 FIBER-DUCT™ Systems by attaching to under floor pedestal (not included). Use on pedestals up to 1" in diameter. Bracket contains hardware to attach to pedestal and hardware for mounting channel to bracket.	—	1	10
Bracket for Attaching Threaded Rod to 1 1/2" Ladder Rack				
FLB12X15	Bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) ladder rack rail. Bracket accepts threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
FLB58X15		5/8"	1	10
Bracket for Attaching Threaded Rod to 2" Ladder Rack				
FLB12X20	Bracket attaches to 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket accepts threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
FLB58X20		5/8"	1	10
Ladder Rack Bracket for FIBER-DUCT™ System				
FLRB	Used to support the 2x2 and 4x4 FIBER-DUCT™ Systems attaching directly to any 3/8" (9.5mm) x 1 1/2" (38.1mm) or 3/8" (9.5mm) x 2" (50.8mm) ladder rack rail. No threaded rod required. Contains hardware for mounting channel to bracket.	—	1	10
"L" Wall Mount Bracket for FIBER-DUCT™ System				
FLB	Used to support 2x2 and 4x4 FIBER-DUCT™ Systems by attaching to a wall or the front or back of an equipment rack. Contains hardware for mounting channel to bracket.	—	1	10
Strut Metal Framing Bracket				
FTRB12	Bracket attaches to strut metal framing. Contains bracket and hardware for attaching threaded rod to metal framing.	1/2"	1	10
FTRB58		5/8"	1	10
Adjustable "Z" Bracket				
FZBA1.5X4	Bracket used to offset FIBER-DUCT™ System from mounting surface, adjustable from 1.5" (38mm) to 4" (101mm). Typically used on the front of an equipment rack.	—	1	10

FIBER-DUCT™ Mounting Brackets (continued)

FMRB

FEIAB58

F2PCLB12
F2PCLB58
F2PCLB12M
F2PCLB58M

FRAFC58

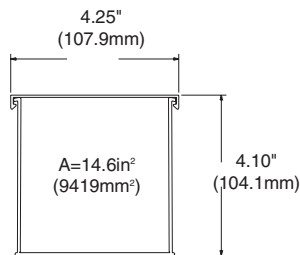| Part Number	Part Description	For Threaded Rod Size	Std. Pkg. Qty.	Std. Ctn. Qty.
Top Rail of Rack Support Bracket				
FMRB	Bracket attaches to top rail of equipment rack for added support in a vertical direction. Contains hardware for attaching bracket to an EIA/TIA rack and for mounting channel to bracket.	—	1	10
EIA/TIA Threaded Rod Mounting Bracket				
FEIAB58	Bracket consists of two identical components that clamp onto the crossmembers of standard EIA/TIA racks and are secured with standard hex nuts and split lockwashers (included) tightened onto a length of 5/8" diameter threaded rod (not included). The threaded rod is positioned in the center of the brackets providing a vertical threaded rod stud to mount *FIBERRUNNER®* and *FIBER-DUCT™* threaded rod mounting brackets onto.	5/8"	1	10
Two Piece Ladder Rack Bracket for Attaching Threaded Rod to 1 1/2" – 2" Ladder Rack				
F2PCLB12	Two piece bracket attaches to 3/8" (9.5mm) wide x 1 1/2" (38.1mm) or 3/8" (9.5mm) wide x 2" (50.8mm) ladder rack rail. Bracket halves slide into position and clamp together on the ladder rack rail, which allows for a one-handed assembly of the threaded rod (not included). Contains bracket and hardware for attaching bracket to ladder rack.	1/2"	1	10
F2PCLB58		5/8"	1	10
F2PCLB12M		12mm	1	10
F2PCLB58M		16mm	1	10
Two-Piece Framing Clip for Attaching 5/8" Threaded Rod to 2" x 9/16" C-Channel Auxiliary Framing Bars				
FRAFC58	Two-piece framing clip attaches to auxiliary framing bars. Framing clip halves slide into position and interlock on the auxiliary framing bars, allowing easier assembly of the threaded rod to bars. Contains two-piece framing clip and hardware for attaching framing clip to auxiliary framing bars. (5/8" threaded rod not included.)	5/8"	1	10

Cable Fills for 2x2 and 4x4 *FIBER-DUCT*™ Cable Routing System

The maximum amounts may vary according to the cable fill installation methods, straightness of cables, etc.

2.25" (57.1mm)

A=3.5in² (2258mm²)

2.10" (53.3mm)

2x2 *FIBER-DUCT*™ Routing System						
Fill/Pile Up	Internal Area in²	Diameter 1.6mm .063"	Diameter 2.0mm .079"	Diameter 3.0mm .118"	CAT 6 Diameter 6.35mm .25"	CAT 5e Diameter 4.9mm .193"
40% Fill						
2" Pile Up	3.5	449	286	128	29	48
50% Fill						
2" Pile Up	3.5	561	357	160	36	60
60% Fill						
2" Pile Up	3.5	674	428	192	43	72

4.25" (107.9mm)

A=14.6in² (9419mm²)

4.10" (104.1mm)

4x4 *FIBER-DUCT*™ Routing System						
Fill/Pile Up	Internal Area in²	Diameter 1.6mm .063"	Diameter 2.0mm .079"	Diameter 3.0mm .118"	CAT 6 Diameter 6.35mm .25"	CAT 5e Diameter 4.9mm .193"
40% Fill						
2" Pile Up	7.60	975	620	278	62	104
3" Pile Up	11.30	1450	922	413	92	155
4" Pile Up	14.60	1873	1191	534	119	200
50% Fill						
2" Pile Up	7.60	1219	775	347	77	130
3" Pile Up	11.30	1812	1153	517	115	193
4" Pile Up	14.60	2342	1489	668	149	250
60% Fill						
2" Pile Up	7.60	1463	930	417	93	156
3" Pile Up	11.30	2175	1383	620	138	232
4" Pile Up	14.60	2810	1787	801	178	299

Channel cutting instructions: For optimum results, use FRCUT miter box and saw. For larger quantities use a plastic cutting saw blade for clean, burr-free cuts. Recommend: Carbide 80T or 100T; .090" thickness, .125" kerf.

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.