## Material Specifications

<table>
<thead>
<tr>
<th>Properties</th>
<th>PVC Material</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>1.47 g/cc</td>
<td>ASTM D 792</td>
</tr>
<tr>
<td>Rockwell Hardness</td>
<td>111 °V</td>
<td>ASTM D 795</td>
</tr>
</tbody>
</table>

### Mechanical

- **Tensile Strength at Yield**: 5,600 psi
- **Tensile Modulus**: 330,000 psi
- **Notched Izod Impact**: 0.6 ft-lb/in.
- **Heat Deflection Temperature at 264 psi**: 169°F

### Agency Approvals

- **UL Recognized file E147128**
- **CSA Certified file 016466-00**

### CE Information

- **ENC0085 cable trunking system and cable ducting systems for electrical installations**
- **CSD (cable ducting system for) impact 2 J**
- **Minimum storage and transport temperature**
- **Maximum application temperature 60°C**
- **Non-flame propagating**
- **Cover removable without a tool**
- **Cover retention up to 2 times greater than conventional wiring ducts;**
- **Minimum storage and transport temperature**
- **Maximum application temperature 60°C**
- **Non-flame propagating**
- **Cover removable without a tool**
- **Cover retention up to 2 times greater than conventional wiring ducts;**

## Installation Tools

- **DFCT – Duct Finger Cutting Tool**: Easily removes duct fingers in tight places
- **DCT – Duct Cutting Tool**: Provides a smooth burr-free cut on both wiring duct and cover
- **TNR – Nylon Rivet Installation Tool**: Hand held tool for easy rivet installation
- **DNT-100 – Duct Notching Tool**: Notches duct sidewalls to bottom scoreline for tees and corners
- **CDS (cable ducting system) for impact 2 J**
- **Minimum storage and transport temperature**
- **Maximum application temperature 60°C**
- **Non-flame propagating**
- **Cover removable without a tool**

### Key Features

- **Type HN narrow slot design for general purpose use.**
- **Type HS solid wall raceway contains cables and cord sets for surface mount routing applications.**

### Benefits

- **Type HN narrow slots and fingers**: Delivers optimal alignment between slots and termination points in high density electrical applications; multiple slot restrictors hold wiring at the device termination point to reduce installation time and improve wire label identification.
- **Type H wide slots and fingers**: Provides flexibility by allowing use with a variety of wire sizes in electrical and communication applications.
- **Type HS solid wall raceway**: Fully encloses cables and cord sets for maximum protection on machine applications that do not require frequent breakouts.
- **Integrated hinged cover design**: Retains cover during maintenance for up to 20% faster wiring changes and reduced labor costs; prevents lost covers for a neater panel appearance.
- **Cover retention flange**: Cover hinges open up to 100° from either side of the duct for easier wire access during maintenance, to reduce labor costs.
- **Cover removal tab**: Provides gripping surface to ease cover opening or removal to reduce labor costs during wire installation or maintenance.
Control Panel Application

- Frequent moves, adds, changes or equipment upgrades require repeated, easy, and quick access to duct channel.

Communication Application

- High visibility and high traffic areas require a neat appearance

Labor Savings

- By eliminating the time involved in removing and replacing covers with hinged cover wiring duct, simple wiring changes can be made up to 20% faster compared to conventional wiring duct installations.

Prevent Cover Replacement Costs

- Covers represent 20% of the cost of the wiring duct purchase.
- Misplaced covers are a common occurrence after years of use.
- Hinged cover wiring duct eliminates lost covers.

Ease of Installation and Access

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

Durability and Performance

- Cover fully engages fingers limiting sidewall flex for greater rigidity and durability.
- Cover retention is up to 2 times greater than conventional wiring ducts.

Save Replacement Costs

% of Wiring Duct Cost

<table>
<thead>
<tr>
<th>Base</th>
<th>Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>20%</td>
<td>80%</td>
</tr>
<tr>
<td>40%</td>
<td>60%</td>
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<td>40%</td>
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<td>80%</td>
<td>20%</td>
</tr>
<tr>
<td>100%</td>
<td>0%</td>
</tr>
</tbody>
</table>

Ordering Information

- Type HN: Multiple slot restrictors present with 2” and greater duct wall height.

- Type HN: Narrow Slot

- Type H: Wide Slot

- Type HS: Solid Wall

Note: Base and cover are sold separately. Product shown in LG (Light Gray). Type HN also available in BL (Black) and WH (White)
Control Panel Application
- Frequent moves, adds, changes or equipment upgrades require repeated, easy, and quick access to duct channel

Communication Application
- High visibility and high traffic areas require a neat appearance

Labor Savings
- By eliminating the time involved in removing and replacing covers with hinged cover wiring duct, simple wiring changes can be made up to 20% faster compared to conventional wiring duct installations*

Prevent Cover Replacement Costs
- Covers represent 20% of the cost of the wiring duct purchase
- Misplaced covers are a common occurrence after years of use
- Hinged cover wiring duct eliminates lost covers

Ease of Installation and Access
- Cover retention flanges guide duct fingers into cover for simple push-on cover installation
- Cover hinges open to 100° from either sidewall to allow full channel access

Durability and Performance
- Cover fully engages fingers limiting sidewall flex for greater rigidity and durability*
- Cover retention is up to 2 times greater than conventional wiring ducts**

Save Replacement Costs

% of Wiring Duct Cost

Base

Cover

0% 20% 40% 60% 80% 100%

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

***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.

*Note: Base and cover are sold separately.

Product shown in LG (Light Gray). Type HN also available in WH (White), Type H and Type HS also available in BL (Black) and WH (White)

Technical Information

Duct Size (W x H) (inches)

Type HN: Narrow Slot

Type HS: Solid Wall

Type H: Wide Slot

Ordering Information

Cover Part Numbers

Base Cover

Order

60 120

60 120

60 120

60 120

120 120

120 120

120 120

120 120

2" x 4" 4.0 [101.6] TYP 2.0

3" x 3" 3.0 4.0

2" x 2" 2.0 3.0

4" x 4" 4.0 4.0

x 100 x 100

x 75 x 75

x 50 x 100

x 37 x 75

x 25 x 100

x 25 x 50

x 100 x 100

x 50 x 100

x 25 x 50

x 100 x 100

Type HN: Multiple slot restrictors present with 2" and greater duct wall height.

Type H 2", 3", and 4" wide duct.

Type HN 2", 3", and 4" wide duct.
## Material Specifications

### Properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>PVC Material</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
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<tr>
<td>Specific Gravity</td>
<td>1.47 g/cc</td>
<td>ASTM D 792</td>
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<td>Rockwell Hardness</td>
<td>111 “R”</td>
<td>ASTM D 785</td>
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<tr>
<td>Mechanical</td>
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<tr>
<td>Tensile Strength at Yield</td>
<td>5,600 psi</td>
<td>ASTM D 638</td>
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<tr>
<td>Tensile Modulus</td>
<td>330,000 gpd</td>
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<tr>
<td>Flexural Strength at Yield</td>
<td>9,100 psi</td>
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<tr>
<td>Flexural Modulus</td>
<td>412,000 psi</td>
<td>ASTM D 792</td>
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<tr>
<td>Notched Izod Impact Strength</td>
<td>2.6 ft-lb/In</td>
<td>ASTM D 256</td>
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<tr>
<td>Heat Deflection Temperature</td>
<td>169°F</td>
<td>ASTM D 648</td>
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</table>

### Flammability

- Limited Oxygen Index (LOI): 35  ASTM D 2853
- Smoke Density (flaming) at 4 min.: 538  ASTM E 696
- Flammability Class: V-0
- UL94: V0

### Agency Approvals

- UL Recognized file E147128
- CSA Certified file 01446-0-00
- ENC50085 cable trundling system and cable ducting systems for electrical installations:
  - O2S (cable ducting system) for impact 3 J
  - Minimum storage and transport temperature -5°C
  - Minimum installation and application temperature 0°C
  - Non-flame propagating
  - Cover removable without a tool

### CE Information

- EN50085:06/2004
- LV 2006/95/EC

### Key Features

**PANDUCT Hinged Cover Wiring Duct**

**Wiring Duct**

- Innovative dual-sided hinged wiring duct delivers improved wire management and aesthetics for electrical control panel and communication applications.
- The unique push-on hinged cover is easier to install and remove than traditional wiring duct covers and once installed can be opened from either side of the duct. Hinged cover wiring duct provides faster access to wiring, prevents cover loss, reduces maintenance costs and promotes safety.

**Type HN hinged cover wiring duct features a narrow slot design for high-density applications.**

**Type HS solid wall raceway contains cables and cord sets for surface mount routing applications.**

**Material Specifications**

<table>
<thead>
<tr>
<th>Nominal Duct Size (W x H)</th>
<th>Wire Fill Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AWG</td>
</tr>
<tr>
<td></td>
<td>6</td>
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<td>14</td>
</tr>
<tr>
<td></td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>18</td>
</tr>
<tr>
<td>1.50 x 3.00</td>
<td>6,000</td>
</tr>
<tr>
<td>2.00 x 4.00</td>
<td>4,000</td>
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<tr>
<td>2.50 x 4.50</td>
<td>3,000</td>
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<tr>
<td>3.00 x 5.00</td>
<td>2,000</td>
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<tr>
<td>3.50 x 6.00</td>
<td>1,500</td>
</tr>
<tr>
<td>4.00 x 7.00</td>
<td>1,000</td>
</tr>
</tbody>
</table>

Table shows maximum wire fill based on 50% of duct internal cross sectional area. Formula: area of duct / 1.85 = wire fill. See EG Catalog SA-ELC04 page C1-48.