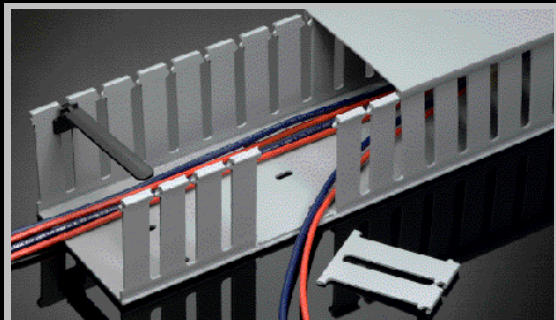




NETWORK SYSTEMS GROUP

PANDUCT® Type NE & NS Wiring Duct

Application / Specification Guide



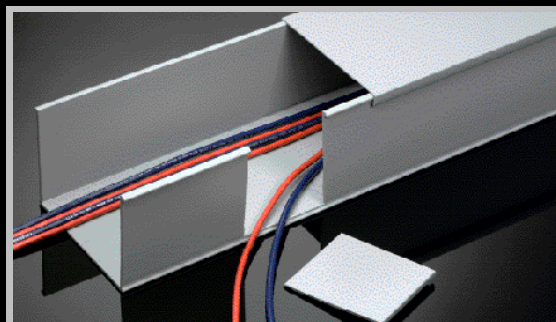
Type NE Slotted Wall Duct

Noryl® Halogen Free Material

30 sizes: From 0.5" x 0.5" up to 4" x 5"

Ideal for use in:

- Extreme Temperature Environments;
-40°C (-40°F) to 95°C (203°F)
- Installations requiring Halogen free products
- Applications requiring multiple wire breakouts



Type NS Solid Wall Duct

Noryl® Halogen Free Material

30 sizes: From 0.5" x 0.5" up to 4" x 5"

Ideal for use in:

- Extreme Temperature Environments;
-40°C (-40°F) to 95°C (203°F)
- Installations requiring Halogen free products
- Applications requiring longer runs with minimal breakouts

GENERAL PURPOSE USE:

Control Panels

- Routes and protects wires inside the panel
- Duct cover conceals wiring to improve appearance of the control panel
- Changes may be made quickly by removing the duct cover, which allows full access to wires inside the duct

Communication Closets

- Organizes and protects wires entering the closet as well as those terminated to patch panels and punchdown blocks
- Improves appearance of the communication closet by keeping wires out of sight
- Eliminates need to strap and bundle wires
- Changes may be made quickly by removing the duct cover, which allows full access to wires inside the duct

HALOGEN FREE



UL Recognized
File No. E147128



CSA Certified
File No. 16446

Noryl® Halogen Free Material

Available in Light Gray (LG) and White (WH)

UL Flammability Rating: 94V-1

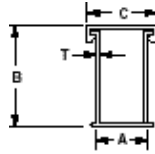
Temperature Rating: rated for continuous use temperatures from -40°C (-40°) to 95°C (95°)

PANDUCT® Type NE & NS Wiring Duct

Type NE and NS—Wiring Duct Standard Colors:

LG	WH
Light Gray	White

Colors shown are approximate.



NE DUCT PART NUMBERS	NS DUCT PART NUMBERS	Actual Duct Size		COVER PART NUMBER	Duct Std. Ctn. Qty.	Cover Std. Ctn. Qty.	Std. Length
		WxH IN.	WxH (mm)				
NE.5X.5LG6	NS.5X.5LG6NM	0.63 x 0.56	(16.0) x (14.2)	NC.5LG6	120 ft.	120 ft.	6 ft.
NE.5X.62LG6	NS.5X.62LG6NM	0.63 x 0.68	(16.0) x (17.3)		120 ft.	120 ft.	
NE.5X1LG6	NS.5X1LG6NM	0.63 x 1.06	(16.0) x (26.9)		120 ft.	120 ft.	
NE.5X1.25LG6	NS.5X1.25LG6NM	0.63 x 1.31	(16.0) x (33.3)		120 ft.	120 ft.	
NE.5X1.75LG6	NS.5X1.75LG6NM	0.63 x 1.81	(16.0) x (46.0)		120 ft.	120 ft.	
NE1X1LG6	NS1X1LG6NM	1.14 x 1.12	(29.0) x (28.4)	NC.75LG6	120 ft.	120 ft.	6 ft.
NE1X1.5LG6	NS1X1.5LG6NM	1.14 x 1.62	(29.0) x (41.1)		120 ft.	120 ft.	
NE1X2LG6	NS1X2LG6NM	1.14 x 2.12	(29.0) x (53.8)		120 ft.	120 ft.	
NE1X3LG6	NS1X3LG6NM	1.14 x 3.12	(29.0) x (79.2)		120 ft.	120 ft.	
NE1X4LG6	NS1X4LG6NM	1.14 x 4.12	(29.0) x (104.6)		120 ft.	120 ft.	
NE1.5X1LG6	NS1.5X1LG6NM	1.64 x 1.12	(41.7) x (28.4)	NC1LG6	120 ft.	120 ft.	6 ft.
NE1.5X1.5LG6	NS1.5X1.5LG6NM	1.64 x 1.62	(41.7) x (41.1)		120 ft.	120 ft.	
NE1.5X2LG6	NS1.5X2LG6NM	1.64 x 2.12	(41.7) x (53.8)		120 ft.	120 ft.	
NE1.5X3LG6	NS1.5X3LG6NM	1.64 x 3.12	(41.7) x (79.2)		120 ft.	120 ft.	
NE1.5X4LG6	NS1.5X4LG6NM	1.64 x 4.12	(41.7) x (104.6)		120 ft.	120 ft.	
NE2X1LG6	NS2X1LG6NM	2.14 x 1.12	(54.4) x (28.4)	NC1.5LG6	120 ft.	120 ft.	6 ft.
NE2X1.5LG6	NS2X1.5LG6NM	2.14 x 1.62	(54.4) x (41.1)		120 ft.	120 ft.	
NE2X2LG6	NS2X2LG6NM	2.14 x 2.12	(54.4) x (53.8)		120 ft.	120 ft.	
NE2X3LG6	NS2X3LG6NM	2.14 x 3.12	(54.4) x (79.2)		60 ft.	120 ft.	
NE2X4LG6	NS2X4LG6NM	2.14 x 4.12	(54.4) x (104.6)		60 ft.	120 ft.	
NE2.5X3LG6	NS2.5X3LG6NM	2.64 x 3.12	(67.1) x (79.2)		60 ft.	120 ft.	6 ft.
NE3X1LG6	NS3X1LG6NM	3.14 x 1.12	(79.8) x (28.4)	NC2.5LG6	120 ft.	120 ft.	6ft.
NE3X2LG6	NS3X2LG6NM	3.14 x 2.12	(79.8) x (53.8)		120 ft.	120 ft.	
NE3X3LG6	NS3X3LG6NM	3.14 x 3.12	(79.8) x (79.2)		60 ft.	120 ft.	
NE3X4LG6	NS3X4LG6NM	3.14 x 4.12	(79.8) x (104.6)		60 ft.	120 ft.	
NE3X5LG6	NS3X5LG6NM	3.14 x 5.12	(79.8) x (130.0)		60 ft.	120 ft.	
NE4X2LG6	NS4X2LG6NM	4.14 x 2.12	(105.2) x (53.8)	NC3LG6	60 ft.	120 ft.	6 ft.
NE4X3LG6	NS4X3LG6NM	4.14 x 3.12	(105.2) x (79.2)		60 ft.	120 ft.	
NE4X4LG6	NS4X4LG6NM	4.14 x 4.12	(105.2) x (104.6)		60 ft.	120 ft.	
NE4X5LG6	NS4X5LG6NM	4.14 x 5.12	(105.2) x (130.0)		60 ft.	120 ft.	
					60 ft.	120 ft.	

* See page 4 for actual dimensions.

†Adhesive tape is not CSA Certified

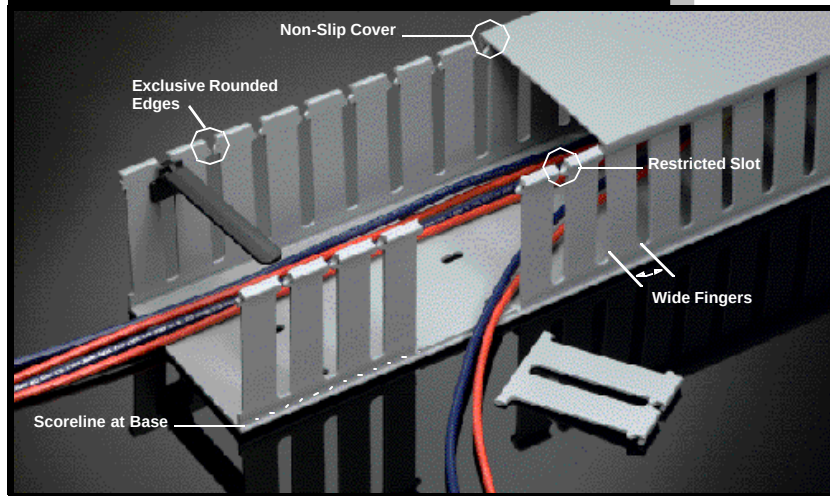
Ordering Information:

- Order number of feet required in multiples of 6 ft or standard carton quantities.
- To order slotted wall duct without mounting holes, add NM to the Part Number. Solid wall duct is supplied without mounting holes as a standard.
- To order with pressure-sensitive adhesive mounting tape applied, add -A to Part Number.
- Part Number shown for Light Gray LG and White WH. To order other colors substitute colors listed in chart above.
- Note: Order Duct And Cover Separately

Part Number Nomenclature —

NE	.5	X	.62	LG	6
↑	↑		↑	↑	↑
type/style	nominal width (in)		nominal height (in)	color	length (ft)

Type NE—Slotted Wiring Duct



Halogen Free Material

- Made of chlorine-free material which meets Halogen free requirements

Increased Temperature Resistance

- Rated for temperatures from -40°C (-40°F) up to 95° C (203°F)

Restricted Slot Design

- Retains wire in slot
- Speeds installation
- Simply deflect finger for fast, easy wire installation or removal

Exclusive Rounded Edges Along Entire Slot

- Protect wires and hands from abrasion

Non-Slip Cover Design

- Incorporates integral high friction lining to inhibit cover movement

Easy Cover Removal

- Changes to wiring can be made quickly and easily

Bar Coded Part Number Label with QC Number

- Allows for automated inventory control systems
- Quick identification of loose piece duct
- Complete quality traceability

Optional Pressure-Sensitive Adhesive Mounting Tape

Scoreline Along Base

- For easy removal of fingers with use of DNT-100

Halogen Free Material

- Made of chlorine-free material which meets Halogen free requirements

Increased Temperature Resistance

- Rated for temperatures from -40°C (-40°F) up to 95°C (203°F)

Solid Walls

- Provide maximum wire protection

Non-Slip Cover Design

- Incorporates integral high friction lining to inhibit cover movement

Easy Cover Installation and Removal

- Changes to wiring can be made quickly and easily

Bar Coded Part Number Label with QC Number

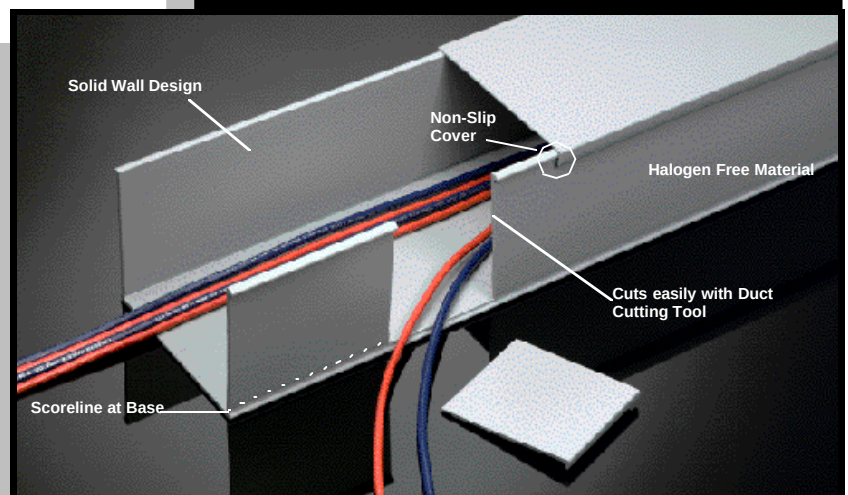
- Allows for automated inventory control systems
- Quick identification of loose piece duct
- Complete quality traceability

Optional Pressure-Sensitive Adhesive Mounting Tape

Scoreline Along Base

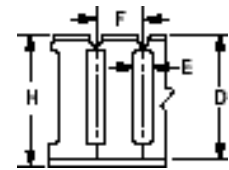
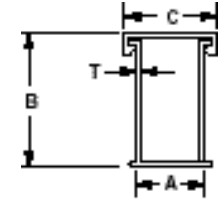
- For easy removal of solid wall section when cut to base

Type NS—Solid Wiring Duct

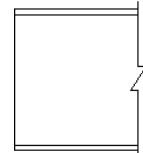


Type NE and NS Duct Cover Dimensions:

NOMINAL DUCT SIZE (W x H)	DIMENSIONS-Inches (mm)						K	T	Cover
	A	B	D	E	F				
.5 x .5 (12.7) (12.7)	0.63 (16.0)	0.56 (14.2)	0.38 (9.7)	0.37 (9.4)	0.80 (20.3)	"ON CENTERLINE"		0.05 (1.3)	0.69 (17.5)
.5 x .62 (12.7) (15.7)	0.63 (16.0)	0.68 (17.3)	0.38 (9.7)	0.37 (9.4)	0.80 (20.3)			0.05 (1.3)	0.69 (17.5)
.5 x 1 (12.7) (25.4)	0.63 (16.0)	1.06 (26.9)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)			0.06 (1.5)	0.69 (17.5)
.5 x 1.25 (12.7)	0.63 (16.0)	1.31 (33.3)	1.00 (25.4)	0.31 (7.9)	0.80 (20.3)			0.06 (1.5)	0.69 (17.5)
.5 x 1.75 (12.70) (44.45)	0.63 (16.0)	1.81 (46.0)	1.44 (36.6)	0.31 (7.9)	0.80 (20.3)			0.07 (1.8)	0.69 (17.5)
1 x 1 (19.1) (25.4)	1.14 (29.0)	1.12 (28.4)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)			0.06 (1.5)	1.25 (31.8)
1 x 1.5 (25.4) (38.1)	1.14 (29.0)	1.62 (41.1)	1.20 (30.5)	0.31 (7.9)	0.80 (20.3)			0.07 (1.8)	1.25 (31.8)
1 x 2 (25.4) (38.1)	1.14 (29.0)	2.12 (53.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)			0.08 (2.0)	1.25 (31.8)
1 x 3 (25.4) (76.2)	1.14 (29.0)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)			0.10 (2.4)	1.25 (31.8)
1 x 4 (25.4) (101.5)	1.14 (29.0)	4.12 (104.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)			0.11 (2.7)	1.25 (31.8)
1.5 x 1 (38.1) (25.4)	1.64 (41.7)	1.12 (28.4)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)			0.06 (1.5)	1.75 (44.5)
1.5 x 1.5 (38.1) (38.1)	1.64 (41.7)	1.62 (41.1)	1.20 (30.5)	0.31 (7.9)	0.80 (20.3)			0.07 (1.8)	1.75 (44.5)
1.5 x 2 (38.1) (50.8)	1.64 (41.7)	2.12 (53.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)			0.08 (2.0)	1.75 (44.5)
1.5 x 3 (38.1) (76.2)	1.64 (41.7)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)			0.10 (2.4)	1.75 (44.5)
1.5 x 4 (38.1) (101.6)	1.64 (41.7)	4.12 (104.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)			0.11 (2.7)	1.75 (44.5)
2 x 1 (50.8) (25.4)	2.14 (54.4)	1.12 (28.4)	0.75 (19.1)	0.31 (7.9)	0.80 (20.3)		0.50 (12.7)	0.06 (1.5)	2.25 (57.2)
2x1.5 (50.8) (38.1)	2.14 (54.4)	1.62 (41.1)	1.20 (30.5)	0.31 (7.9)	0.80 (20.3)		0.50 (12.7)	0.06 (1.5)	2.25 (57.2)
2x2 (50.8) (50.8)	2.14 (54.4)	2.12 (53.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)		0.50 (12.7)	0.08 (2.0)	2.25 (57.2)
2 x 3 (50.8) (76.2)	2.14 (54.4)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)		0.50 (12.7)	0.10 (2.4)	2.25 (57.2)
2x4 (50.8) (101.6)	2.14 (54.4)	4.12 (104.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)		0.50 (12.7)	0.11 (2.7)	2.25 (57.2)
2.5 x 3 (63.5) (76.2)	2.64 (67.1)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)		0.75 (19.1)	0.10 (2.4)	2.75 (69.9)
3 x 1 (76.2) (25.4)	3.14 (79.8)	1.12 (28.4)	.75 (19.1)	.31 (7.9)	0.80 (20.3)		1.00 (25.4)	0.60 (15.2)	3.25 (82.6)
3x2 (76.2) (50.8)	3.14 (79.8)	2.12 (53.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)		1.00 (25.4)	0.08 (2.0)	3.25 (82.6)
3x3 (76.2) (76.2)	3.14 (79.8)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)		1.00 (25.4)	0.10 (2.4)	3.25 (82.6)
3x4 (76.2) (101.6)	3.14 (79.8)	4.12 (104.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)		1.00 (25.4)	0.11 (2.7)	3.25 (82.6)
3x5 (76.2) (127.0)	3.14 (79.8)	5.12 (130.0)	4.63 (117.6)	0.37 (9.4)	1.34 (34.0)		1.00 (25.4)	0.12 (2.9)	3.25 (82.6)
4x2 (101.6) (50.8)	4.14 (105.2)	2.12 (53.8)	1.63 (41.4)	0.31 (7.9)	0.80 (20.3)		1.50 (38.1)	0.08 (2.0)	4.25 (108.0)
4x3 (101.6) (76.2)	4.14 (105.2)	3.12 (79.2)	2.63 (66.8)	0.31 (7.9)	1.00 (25.4)		1.50 (38.1)	0.10 (2.4)	4.25 (108.0)
4x4 (101.6) (101.6)	4.14 (105.2)	4.12 (104.6)	3.63 (92.2)	0.31 (7.9)	1.00 (25.4)		1.50 (38.1)	0.11 (2.7)	4.25 (108.0)
4x5 (101.6) (127.0)	4.14 (105.2)	5.12 (130.0)	4.63 (117.6)	0.37 (9.4)	1.50 (38.1)		1.50 (38.1)	0.12 (2.9)	4.25 (108.0)



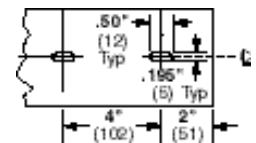
Type NE,
(Snap-in-Slot)



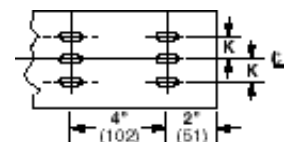
Type NS,
(Solid Wall)

Note: "A" dimension is measured
at base

Note: "K" dimension shown
in mounting hole dimensions
below



For 2.0", 2.5", 3.0", 4.0" and 6.0"
width duct:



NOTE: For Types E, NE, PE & D
Duct, if no mounting holes are
required, add NM to the Part Number

NOTE 2: For Types S, NS & PS Duct,
no mounting holes are provided; if
required delete NM from the Part
Number

Cable Fill Capacities

NOMINAL DUCT SIZE (W X H)	AREA in ²	ELECTRICAL												CAT 5 CABLES		
		8 A W G	10 A W G	12 AWG		14 AWG			16 AWG		18 AWG		22 A W G	24 AWG		
		.21 6	.15 3	.12 2	.15 8	.10 5	.13 9	.16 5	.09 6	.12 5	.08 4	.11 3	.06 5	.21 7	.25 0	.42 2
		T H H N	T H H N	T H H N	M T W	T H H N	M T W	M T W	T F F N	M T W	T F F N	M T W	M T W	U T P/ C M C A T 5	S T P/ C M C A T 5	U T P/ C M
.5 x .5	0.250	3	5	8	5	11	6	5	14	8	18	10	30	3	2	1
.5 x .62	0.310	3	7	10	6	14	8	6	17	10	22	12	37	3	2	1
.5 x 1	0.500	5	11	17	10	23	13	9	27	16	35	20	59	5	4	1
.5 x 1.25	0.625	7	13	21	13	28	16	11	34	20	44	24	74	7	5	2
.5 x 1.75	0.875	9	19	29	18	40	23	16	47	28	62	34	104	9	7	2
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	1.500	16	32	50	30	68	39	28	81	48	106	59	178	16	12	4
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
2x1.5	3.000	32	64	101	60	136	78	55	163	96	213	117	355	32	24	8
2x2	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
2x4	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
3x2	6.000	64	128	202	120	272	155	110	326	192	425	235	710	64	48	17
3x3	9.000	96	192	302	180	408	233	165	488	288	638	352	106	96	72	25
3x4	12.000	129	256	403	240	544	311	220	651	384	850	470	142	127	96	34
3x5	15.000	161	320	504	300	680	388	275	814	480	106	587	177	159	120	42
4x2	8.000	86	171	269	160	363	207	147	434	256	567	313	947	85	64	22
4x3	12.000	129	256	403	240	544	311	220	651	384	850	470	142	127	96	34
4x4	16.000	171	342	537	320	726	414	294	868	512	113	627	189	170	128	45
4x5	20.000	214	427	672	401	907	518	367	108	640	141	783	236	212	160	56

Formula used to calculate fill capacity:

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

Formula to approximate wiring duct size needed:

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

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

Example: Wire Area = $59 \times [2 \times (.107)^2] = 59 \times .023 = 1.357$

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

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

Example: For Duct Size .75 X 1.5 Duct Area=1.125 For Duct Size 1.5 X 1.0 Duct Area=1.500

Not Good $1.125 < 1.357$

Good $1.500 > 1.357$

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

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. = $15 \times .165 = 2.475$
 28 wires with .065 O.D. = $28 \times .065 = 1.820$
 59 total wires = $2.475 + 1.820 = 6.295$

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

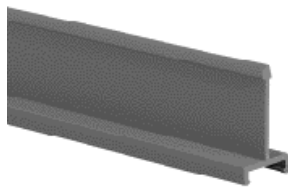
Physical Properties

Properties	Test Method	Noryl	Units
GENERAL			
Specific Gravity	ASTM D 792	1.08	g/cc
Heat Deflection Temp. @ 264 psi	ASTM D 648	212	°F
Thermal Expansion	ASTM D 696	3.8	10 ⁻³ in/in/°F
Thermal Conductivity	ASTM C 177	1.1	(BTU-in/hr-ft ² -°F)
Compressive Yield Strength	ASTM D 695	12,000	psi
BURNING CHARACTERISTICS			
Flammability Class	UL 94	V-1	—
Smoke Density	ASTM E 662	N/A	—
Limited Oxygen Index (LOI)	ASTM D 2863	30	—
HARDNESS			
Durometer Hardness	ASTM D 2240	85	"D"
Rockwell Hardness	ASTM D 785	115	"R"
TENSILE			
Strength at Yield	ASTM D 638	6,900	psi
Modulus	ASTM D 638	380,000	psi

Properties	Test Method	Noryl	Units
FLEXURAL			
Strength at Yield	ASTM D 790	11,400	psi
Modulus	ASTM D 790	365,000	psi
IMPACT STRENGTH			
Notched Izod (.125") at:	ASTM D 256	5.0	ft-lb/in
23°C (73°F)		N/A	ft-lb/in
0°C (32°F)		N/A	ft-lb/in
-18°C (0°F)		N/A	ft-lb/in
Unnotched Modified Izod at	ASTM D 256	N/A	ft-lb/in
23°C (73°F)		N/A	ft-lb/in
0°C (32°F)		N/A	ft-lb/in
-18°C (0°F)		N/A	ft-lb/in
ELECTRICAL PROPERTIES			
Power Factor	ASTM D 150	N/A	—
60 Hz @ 30°C (86°F)		N/A	—
1 Mz @ 30°C (86°F)		N/A	—
Dielectric Constant	ASTM D 150	2.65	—
60 Hz @ 30°C (86°F)		N/A	—
1 Mz @ 30°C (86°F)		N/A	—
Dielectric Strength	ASTM D 149	400	volts/mil
Normal		N/A	volts/mil
Moist		N/A	volts/mil

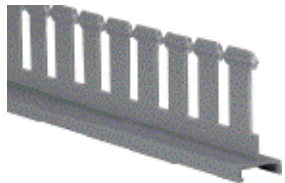
PANDUCT® Type NE & NS Wiring Duct

PANDUCT® Divider Wall



- PVC divider wall snaps onto mounting below

PANDUCT® Slotted Divider Wall



- Slotted PVC divider wall snaps onto mounting base below

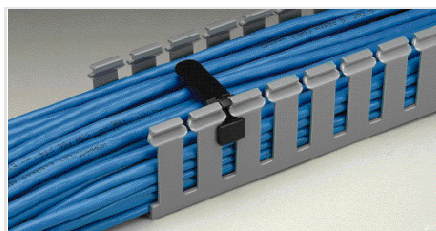
Divider Wall Mounting Base



- Mounting Base accepts divider wall above.

NOTE: Recommend use of 4 mounting bases for every 6 feet of divider wall installed.

Wire Retainer



- Made of ABS



Part Number	For Duct Height Inches (mm)	Std. Length	Std. Ctn. Qty.
D1H6	1.00 (25.4)	6 ft.	120 ft.
D1.5H6	1.50 (38.1)		
D2H6	2.00 (50.8)		
D3H6	3.00 (76.2)		
D4H6	4.00 (101.6)		

Part Number	For Duct Height Inches (mm)	Std. Length	Std. Ctn. Qty.
SD2H6	2.00 (50.8)	6 ft.	120 ft.
SD3H6	3.00 (76.2)		
SD4H6	4.00 (101.6)		

ORDERING INFORMATION: Order number of feet required in multiples of 6 ft. or standard carton quantities.

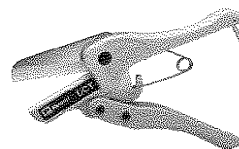
Part Number	Used with Anchors	Std. Pkg. Qty.
DB-C	Panduit NR1 Rivets, or #8 or #10 screws.	100 pcs.

ORDERING INFORMATION: Order in multiples of standard package quantity.

Part Number	For Duct Width Inches (mm)	Std. Pkg. Qty.
WR2-C	2.00 (50.8) Except 2 X 5 duct size	100 pcs.
WR3-C	3.00 (76.2) Except 3 X 5 duct size	100 pcs.
WR4-C	4.00 (101.6) Except 4 X 5 duct size	100 pcs.
WR5-C	2.0 (50.8), 3.0 (76.2), 4.0 (101.6), 6.0 (152.4) For use with 5" height wire duct	100 pcs.

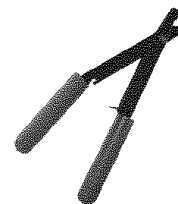
ORDERING INFORMATION: Order number of pieces required multiples of standard package quantity.

PANDUCT® Duct Cutting Tool



Part No: DCT Std. Pkg. Qty.: 1 pc.

PANDUCT® Duct Notching Tool



Part No: DNT-100 Std. Pkg. Qty.: 1 pc.

PANDUCT® Duct Notching Tool & Nylon Rivets



Part No: TNR
Std. Pkg.: 1 pc.

Part No: NR1-C
Std. Pkg.: 100

Total Thickness of Panel & Duct	Panel Hole Dia. Needed
.158" (4.0)–.187" (4.7)	.187" (4.7)
.188" (4.8)–.218" (5.5)	.193" (4.9)
.219" (5.6)–.250" (6.4)	.203" (5.2)
.251" (6.5) and up	.213" (5.4)

ORDERING INFORMATION: Order number of pieces required in multiples of standard package quantity.

Our products are warranted to be free from defects in material and workmanship at the time of sale but our obligation under this warranty is limited to the replacement of any product proved to be defective within 6 months (for product) or 90 days (for tools) from the date of delivery. Tool warranty is void if Panduit tools are modified, altered or misused in any way. Use of Panduit tooling with any product other than the specified Panduit products for which the tool was designed, constitutes misuse. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith.



NETWORK SYSTEMS DIVISION

WORLD HEADQUARTERS
PANDUIT CORP.

Tinley Park, Illinois, USA
Phone: 888-506-5400

708-532-1800, ext. 6914
Fax: 708-460-2897

Email: info@panduit.com

Internet: http://www.panduit.com

PANDUIT CANADA
Div. of PANDUIT CORP.
Markham, Ontario
Phone: 800-387-9689

EUROPEAN HEADQUARTERS
PANDUIT EUROPE LTD.
London, UK
Phone: 181-601-7200

ASIAN HEADQUARTERS
PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 861-3122

LATIN AMERICA
PANDUIT LATIN AMERICAN SALES
Florida, USA
Phone: 954-677-2711

For pricing and further information
contact your local authorized
PANDUIT Distributor or Sales Office

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

SA117N237-LP

Printed in U.S.A.