

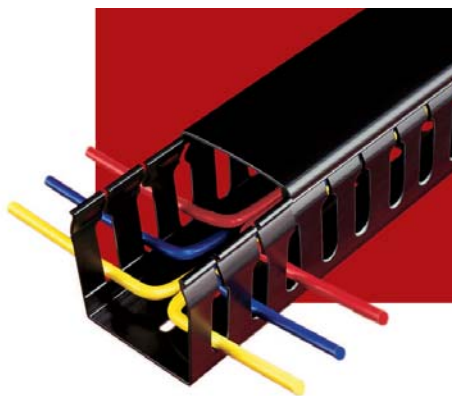
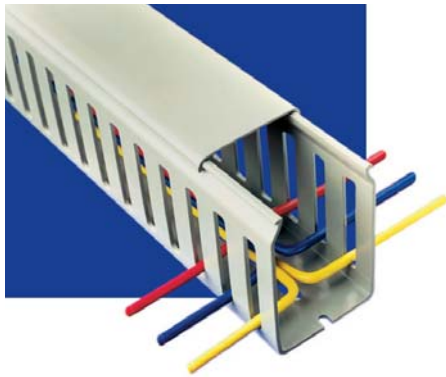
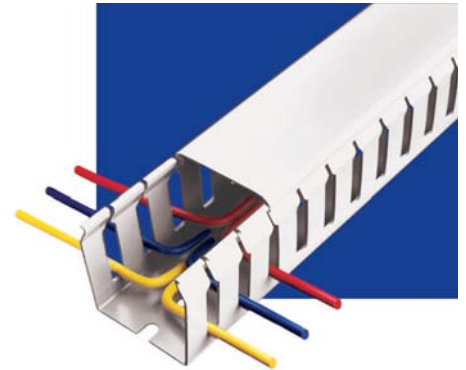
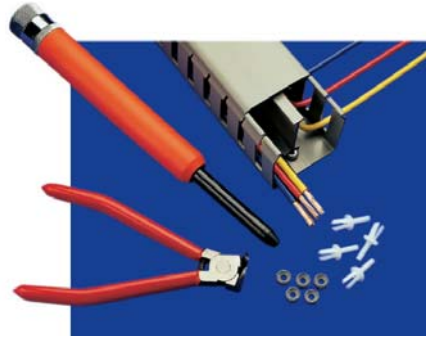
# BETADUCT



**Brandysma b.v.**

ELECTROTECHNISCHE  
OPLOSSINGEN

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**Complete Wiring  
Duct Solutions**

## Product Features

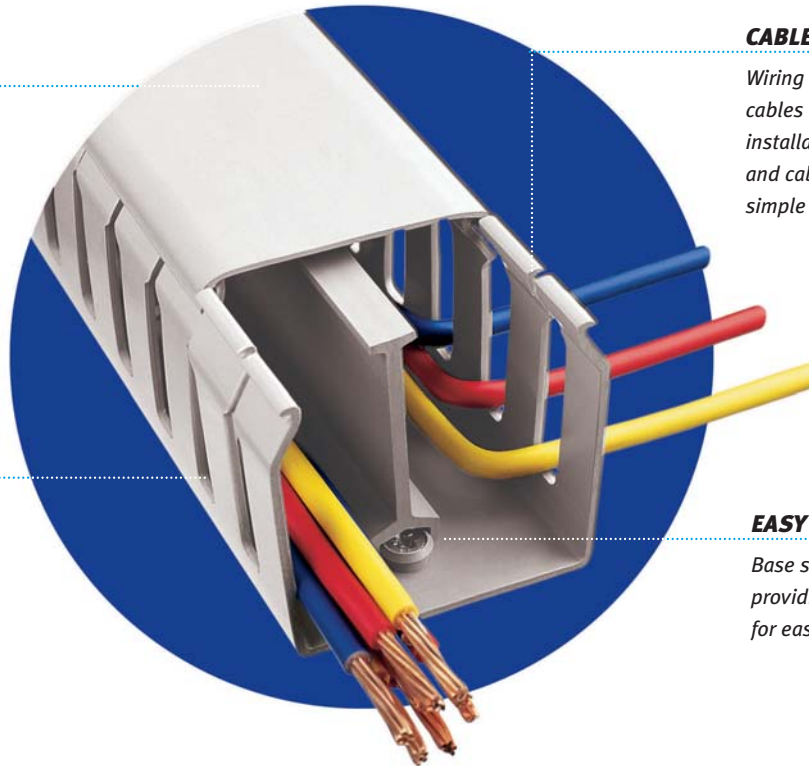
The Panel building market has very specific needs. Betaduct is a unique cable management system developed specifically for use within cabinets and control panels. Select Open, Narrow, Closed Slot and Solid Wall depending on the application. Available in a number of sizes and colors, manufactured in standard PVC or Noryl material.

### LID RETENTION

Friction bead on wider trunking provides excellent lid retention to combat vibration

### BREAK-OUT

Fingers can be removed easily without the use of cutting tools



### CABLE RETENTION

Wiring duct design allows cables to be retained during installation, making routing and cable termination a simple process

### EASY INSTALLATION

Base slots are to DIN 43659, providing maximum flexibility for easy installation

#### SIZE RANGE

- Wide range of sizes to cater to a broad spectrum of requirements
- New larger sizes with narrower profiles to reduce panel footprint

#### MATERIALS

- The standard range is manufactured using self extinguishing PVC
- Where human life is at risk, Noryl Betaduct is available
- Ravenscroft is constantly reviewing materials to ensure optimum performance

#### COLORS

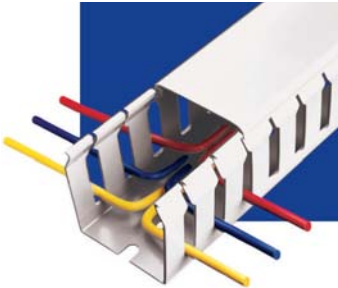
- Gray, white and black are standard
- Blue is offered for intrinsically safe wiring applications
- Other colors available

#### ACCESSORIES

- Riveters and rivets are designed for quick installation
- Dividers allow channels to separate wiring within one trunking run
- Insulation washers provide location for dividers, secured by screws into wiring duct base
- Side cutters allow a clean professional removal of Betaduct slotted sides
- Additional lids available as required

## Standard Wiring Duct

PVC Betaduct provides a lightweight self extinguishing wiring duct with excellent rigidity and performance characteristics.



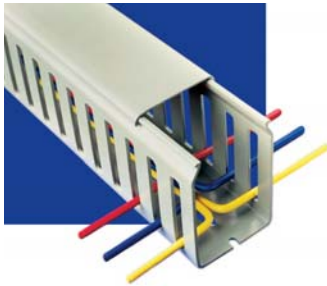
### Open Slot

- *Wide fingers giving additional cable support*
- *Terminated wires can be re-routed easily*
- *0.79" slot pitch*
- *0.31" slot width*
- *23 sizes, available in gray, white, black or blue*
- *UL, CSA and Lloyds Register approved*



### Narrow Slot

- *Ideal for use with slimmer terminal blocks where more access is required*
- *Improves appearance of panels with cables out in best position*
- *0.39" slot pitch*
- *0.16" slot width*
- *20 sizes in a choice of gray, white or black*
- *UL, CSA and Lloyds Register approved*



### Closed Slot

- *Excellent cable retention*
- *Enhanced protection for installers*
- *0.79" slot pitch*
- *0.31" slot width*
- *25 sizes, available in gray, white or black*
- *UL, CSA and Lloyds Register approved*

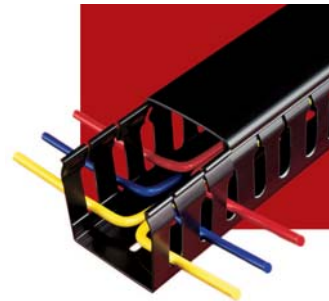


### Solid Wall

- *Ideal where no break-outs are required or side wall access is infrequent*
- *Complete cable protection*
- *25 sizes, in either gray, white or black*
- *UL, CSA and Lloyds Register approved*

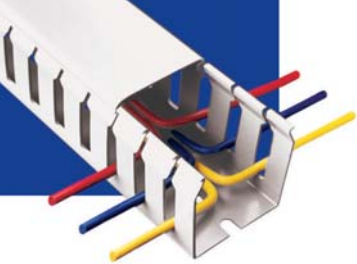
## Noryl Wiring Duct

Toxic fumes and smoke generated from plastics in fire situations is a real danger. The increased awareness of this threat has led to a corresponding demand for 'Limited Fire Hazard' products. The Noryl Betaduct range is free from toxic halogens, has excellent low smoke characteristics and high operating temperatures. Noryl Betaduct is recommended for areas where human life or electronic components are at risk.



### Slotted & Solid Wall

- *Choice of Open Slot, Closed Slot or Solid Wall*
- *0.75" slot pitch*
- *0.31" slot width*
- *Zero Halogen*
- *Low smoke*
- *Wide range of sizes*
- *Available in black*



## Open Slot

Supplied with lid								
nominal size	external dimensions		part no. selection				carton quantity	
	w x h inches	width inches (mm)	height inches (mm)	gray RAL 7030 PVC	white PVC	black PVC	blue PVC	no. of lengths 6 1/2' each
3/4" x 2"	0.98 (25)	2.09 (53)	10450018	23610110	09800000	—	12	78
1" x 1 1/2"	1.14 (29)	1.61 (41)	10450022	23610400	09810000	—	12	78
1" x 2"	1.14 (29)	2.13 (54)	10450023	23610500	09130000	09136000	12	78
1" x 3"	1.14 (29)	3.11 (79)	10450024	23610600	09140000	09146000	8	52
1" x 4"	1.18 (30)	4.13 (105)	10450025	23610700	09830000	09836000	8	52
1 1/2" x 1 1/2"	1.61 (41)	1.61 (41)	10450032	23610900	09840000	—	12	78
1 1/2" x 2"	1.61 (41)	2.13 (54)	10450033	23611000	09850000	09856000	8	52
1 1/2" x 3"	1.54 (39)	3.11 (79)	10450034	23611100	09860000	09866000	8	52
1 1/2" x 4"	1.69 (43)	4.13 (105)	10450035	23611200	09870000	09876000	8	52
2" x 1"	2.13 (54)	1.10 (28)	10450051	23611300	09880000	—	12	78
2" x 1 1/2"	2.13 (54)	1.61 (41)	10450052	23611400	09890000	—	8	52
2" x 2"	2.13 (54)	2.13 (54)	10450053	23611500	09160000	09166000	8	52
2" x 3"	2.17 (55)	3.11 (79)	10450054	23611600	09170000	09176000	8	52
2" x 4"	2.20 (56)	4.13 (105)	10450055	23611700	09920000	—	4	26
3" x 1 1/2"	3.15 (80)	1.61 (41)	10450072	23611800	09930000	—	8	52
3" x 2"	3.07 (78)	2.13 (54)	10450073	23611900	09940000	—	8	52
3" x 3"	3.15 (80)	3.15 (80)	10450074	23612000	09190000	09196000	8	52
3" x 4"	3.15 (80)	4.13 (105)	10450075	23612100	09960000	09966000	4	26
4" x 2"	4.21 (107)	2.13 (54)	10450103	23612400	09980000	—	4	26
4" x 3"	4.21 (107)	3.15 (80)	10450104	23612500	09990000	09996000	4	26
4" x 4"	4.21 (107)	4.09 (104)	10450105	23612600	10000000	10006000	4	26
4" x 5"	4.21 (107)	5.12 (130)	10450106	23613000	10010000	—	4	26
5" x 3"	5.16 (131)	3.07 (78)	10450124	23612900	09410000	—	4	26

**MATERIAL**

self extinguishing PVC

**SERVICE TEMPERATURE**

+5° F to +140° F (-15° C to +60° C)

**STANDARDS**

base slots to DIN 43659

**STANDARD COLORS**

gray RAL 7030, white, black & blue

**FLAMMABILITY**

UL94 V-0 rated material

**APPROVALS**

UL, CSA & Lloyds Register



## Narrow Slot

Supplied with lid							
nominal size w x h inches	external dimensions		part no. selection			carton quantity	
	width inches (mm)	height inches (mm)	gray RAL 7030 PVC	white PVC	black PVC	no. of lengths 6 1/2' each	total feet
3/4" x 2"	0.98 (25)	2.09 (53)	10470018	23630110	10490018	12	78
1" x 1 1/2"	1.14 (29)	1.61(41)	10470022	23630400	10490022	12	78
1" x 2"	1.14 (29)	2.13 (54)	10470023	23630500	10490023	12	78
1" x 3"	1.14 (29)	3.11 (79)	10470024	23630600	10490024	8	52
1" x 4"	1.18 (30)	4.13 (105)	10470025	23630700	10490025	8	52
1 1/2" x 1 1/2"	1.61 (41)	1.61 (41)	10470032	23630900	10490032	12	78
1 1/2" x 2"	1.61 (41)	2.13 (54)	10470033	23631000	10490033	8	52
1 1/2" x 3"	1.61 (41)	3.11 (79)	10470034	23631100	10490034	8	52
1 1/2" x 4"	1.69 (43)	4.13 (105)	10470035	23631200	10490035	8	52
2" x 1 1/2"	2.20 (56)	1.61 (41)	10470052	23631400	10490052	8	52
2" x 2"	2.13 (54)	2.13 (54)	10470053	23631500	10490053	8	52
2" x 3"	2.17 (55)	3.11 (79)	10470054	23631600	10490054	8	52
2" x 4"	2.20 (56)	4.13 (105)	10470055	23631700	10490055	4	26
3" x 1 1/2"	3.15 (80)	1.61 (41)	10470072	23631800	10490072	8	52
3" x 2"	3.07 (78)	2.13 (54)	10470073	23631900	10490073	8	52
3" x 3"	3.15 (80)	3.15 (80)	10470074	23632000	10490074	8	52
3" x 4"	3.15 (80)	4.13 (105)	10470075	23632100	10490075	4	26
4" x 2"	4.21 (107)	2.13 (54)	10470103	23632400	10490103	4	26
4" x 3"	4.21 (107)	3.15 (80)	10470104	23632500	10490104	4	26
4" x 4"	4.21 (107)	4.09 (104)	10470105	23632600	10490105	4	26

<b>MATERIAL</b> self extinguishing PVC	<b>SERVICE TEMPERATURE</b> +5° F to +140° F (-15° C to +60° C)	<b>STANDARDS</b> base slots to DIN 43659
<b>STANDARD COLORS</b> gray RAL 7030, white & black	<b>FLAMMABILITY</b> UL94 V-0 rated material	<b>APPROVALS</b> UL, CSA & Lloyds Register



## Closed Slot

Supplied with lid							
nominal size w x h inches	external dimensions		part no. selection			carton quantity	
	width inches (mm)	height inches (mm)	gray RAL 7030 PVC	white PVC	black PVC	no. of lengths 6 1/2' each	total feet
1/2" x 1/2"	0.67 (17)	0.67 (17)	10460011	23600100	09000000	24	156
3/4" x 2"	0.98 (25)	2.09 (53)	10460018	23600110	09500000	12	78
1" x 3/4"	1.14 (29)	0.91 (23)	10460021	23600200	09010000	12	78
1" x 1 1/2"	1.14 (29)	1.61 (41)	10460022	23600400	09510000	12	78
1" x 2"	1.14 (29)	2.13 (54)	10460023	23600500	09030000	12	78
1" x 3"	1.14 (29)	3.11 (79)	10460024	23600600	09040000	8	52
1" x 4"	1.18 (30)	4.13 (105)	10460025	23600700	09530000	8	52
1 1/2" x 1 1/2"	1.61 (41)	1.61 (41)	10460032	23600900	09540000	12	78
1 1/2" x 2"	1.61 (41)	2.13 (54)	10460033	23601000	09550000	8	52
1 1/2" x 3"	1.54 (39)	3.11 (79)	10460034	23601100	09560000	8	52
1 1/2" x 4"	1.69 (43)	4.13 (105)	10460035	23601200	09570000	8	52
2" x 1"	2.13 (54)	1.10 (28)	10460051	23601300	09380000	12	78
2" x 1 1/2"	2.13 (54)	1.61 (41)	10460052	23601400	09590000	8	52
2" x 2"	2.13 (54)	2.13 (54)	10460053	23601500	09060000	8	52
2" x 3"	2.17 (55)	3.11 (79)	10460054	23601600	09070000	8	52
2" x 4"	2.20 (56)	4.13 (105)	10460055	23601700	09620000	4	26
3" x 1 1/2"	3.15 (80)	1.61 (41)	10460072	23601800	09630000	8	52
3" x 2"	3.07 (78)	2.13 (54)	10460073	23601900	09640000	8	52
3" x 3"	3.15 (80)	3.15 (80)	10460074	23602000	09090000	8	52
3" x 4"	3.15 (80)	4.13 (105)	10460075	23602100	09660000	4	26
4" x 2"	4.21 (107)	2.13 (54)	10460103	23602400	09680000	4	26
4" x 3"	4.21 (107)	3.15 (80)	10460104	23602500	09690000	4	26
4" x 4"	4.21 (107)	4.09 (104)	10460105	23602600	09700000	4	26
4" x 5"	4.21 (107)	5.12 (130)	10460106	23603000	09710000	4	26
5" x 3"	5.16 (131)	3.07 (78)	10460124	23602900	09400000	4	26

**MATERIAL**

self extinguishing PVC

**SERVICE TEMPERATURE**

+5° F to +140° F (-15° C to +60° C)

**STANDARDS**

base slots to DIN 43659

**STANDARD COLORS**

gray RAL 7030, white & black

**FLAMMABILITY**

UL94 V-0 rated material

**APPROVALS**

UL, CSA & Lloyds Register



## Solid Wall

Supplied with lid							
nominal size w x h inches	external dimensions		part no. selection			carton quantity	
	width inches (mm)	height inches (mm)	gray RAL 7030 PVC	white PVC	black PVC	no. of lengths 6 1/2' each	total feet
1/2" x 1/2"	0.67 (17)	0.67 (17)	10480011	23620100	09200000	24	156
3/4" x 2"	0.98 (25)	2.09 (53)	10480018	23620110	10100000	12	78
1" x 3/4"	1.14 (29)	0.91 (23)	10480021	23620200	09210000	12	78
1" x 1 1/2"	1.14 (29)	1.61 (41)	10480022	23620400	10110000	12	78
1" x 2"	1.14 (29)	2.13 (54)	10480023	23620500	09230000	12	78
1" x 3"	1.14 (29)	3.11 (79)	10480024	23620600	09240000	8	52
1" x 4"	1.18 (30)	4.13 (105)	10480025	23620700	10130000	8	52
1 1/2" x 1 1/2"	1.61 (41)	1.61 (41)	10480032	23620900	10140000	12	78
1 1/2" x 2"	1.61 (41)	2.13 (54)	10480033	23621000	10150000	8	52
1 1/2" x 3"	1.54 (39)	3.11 (79)	10480034	23621100	10160000	8	52
1 1/2" x 4"	1.69 (43)	4.13 (105)	10480035	23621200	10170000	8	52
2" x 1"	2.13 (54)	1.10 (28)	10480051	23621300	10180000	12	78
2" x 1 1/2"	2.13 (54)	1.61 (41)	10480052	23621400	10190000	8	52
2" x 2"	2.13 (54)	2.13 (54)	10480053	23621500	09260000	8	52
2" x 3"	2.17 (55)	3.11 (79)	10480054	23621600	09270000	8	52
2" x 4"	2.20 (56)	4.13 (105)	10480055	23621700	10220000	4	26
3" x 1 1/2"	3.15 (80)	1.61 (41)	10480072	23621800	10230000	8	52
3" x 2"	3.07 (78)	2.13 (54)	10480073	23621900	10240000	8	52
3" x 3"	3.15 (80)	3.15 (80)	10480074	23622000	09290000	8	52
3" x 4"	3.15 (80)	4.13 (105)	10480075	23622100	10260000	4	26
4" x 2"	4.21 (107)	2.13 (54)	10480103	23622400	10280000	4	26
4" x 3"	4.21 (107)	3.15 (80)	10480104	23622500	10290000	4	26
4" x 4"	4.21 (107)	4.09 (104)	10480105	23622600	10300000	4	26
4" x 5"	4.21 (107)	5.12 (130)	10480106	23623000	10310000	4	26
5" x 3"	5.16 (131)	3.07 (78)	10480124	23622900	09420000	4	26

**MATERIAL**

self extinguishing PVC

**SERVICE TEMPERATURE**

+5° F to +140° F (-15° C to +60° C)

**STANDARDS**

base slots to DIN 43659

**STANDARD COLORS**

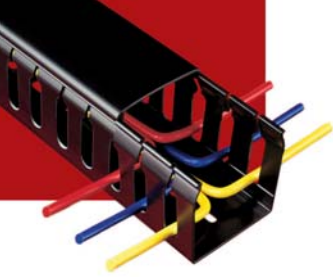
gray RAL 7030, white & black

**FLAMMABILITY**

UL94 V-0 rated material

**APPROVALS**

UL, CSA & Lloyds Register



## Noryl Betaduct

### Supplied with lid

nominal size w x h inches	external dimensions		part no. selection			carton quantity	
	width inches (mm)	height inches (mm)	black OPEN SLOT	black CLOSED SLOT	black SOLID WALL	no. of lengths 6 1/2' each	total feet
1" x 1 1/2"	1.14 (29)	1.50 (38)	23461000	23451000	23471000	12	78
1" x 2"	1.14 (29)	2.13 (54)	23462000	23452000	23472000	12	78
1" x 3"	1.14 (29)	3.11 (79)	23463000	23453000	23473000	8	52
2" x 1 1/2"	2.13 (54)	1.61 (41)	23460300	23450300	23470300	12	78
2" x 2"	2.13 (54)	2.13 (54)	23464000	23454000	23474000	8	52
2" x 3"	2.17 (55)	3.11 (79)	23465000	23455000	23475000	8	52
3" x 3"	3.15 (80)	3.15 (80)	23466000	23456000	23476000	8	52

#### MATERIAL

self extinguishing Noryl Xtra, zero halogen, low smoke

#### SERVICE TEMPERATURE

-22° F to +248° F (-30° C to +120° C)

#### STANDARDS

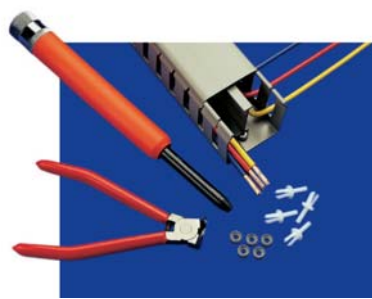
base slots to DIN 43659

#### STANDARD COLORS

black

#### FLAMMABILITY

UL94 V-0 rated material



## Accessories

### LIDS

duct width inches	part no. selection					carton quantity	
	gray RAL 7030 PVC	white PVC	black PVC	blue PVC	black Noryl	no. of lengths 6 1/2' each	total feet
1/2"	10450001	23650001	09310000	-	-	12	78
1"	10450002	23620003	09330000	09336000	23481000	12	78
1 1/2"	10450003	23620004	09320000	10456003	-	12	78
2"	10450004	23620005	09340000	09346000	23482000	12	78
3"	10450005	23620006	09350000	09356000	23483000	12	78
4"	10450006	23620007	09360000	10456006	-	6	39
5"	10450007	23620008	09370000	-	-	6	39

### DIVIDERS - for mounting on insulating washers

duct height inches	part no. selection				carton quantity	
	gray RAL 7030 PVC	white PVC	black PVC	blue PVC	no. of lengths 6 1/2' each	total feet
1 1/2"	10450008	23620009	10380000	10386	4	26
2"	10450009	23620010	10390000	10396	4	26
3"	10450010	23620011	10400000	10406	4	26

### RIVETS

duct size	part no.	carton quantity
1/2" x 1/2"	10490000	100
All other sizes	10500000	100

### RIVETER

part no.	carton quantity
18580000	1

### INSULATING WASHERS

part no.	carton quantity
10440000	50

### SIDE CUTTERS

part no.	carton quantity
18570000	1