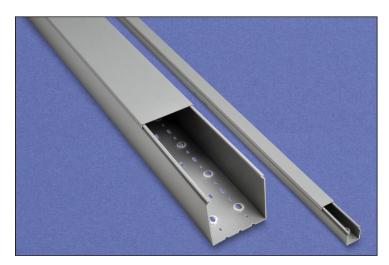
Wiring Duct – TSH Series - Solid Wall



Overview

With all the standard features of the T1 Series slotted wiring duct, TSH series solid wall wiring duct is made of rigid PVC and carries a UL 94V-0 flammability rating. It is supplied complete with cover, and replacement covers can be purchased separately.

Features

- Standard mounting holes
- Non-slip cover
- Flush cover design holds 10 to 12 percent more wires than traditional designs
- · Patented recessed boss for rapid mounting of components

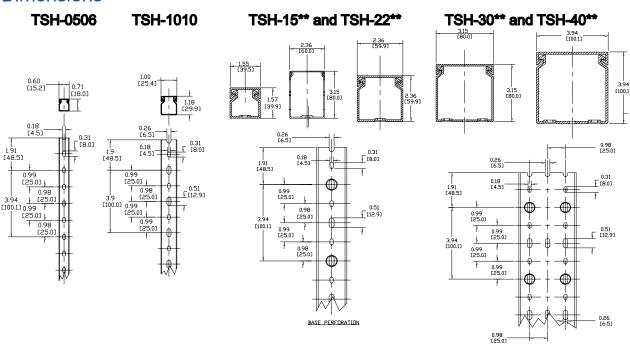
TI (E VROHS UL file E123572

TSH Series Gray Solid Rigid PVC (including cover)						
Part No.	Package Quantity	Price				
TSH-0506G-1	1					
TSH-1010G-1	1					
TSH-1015G-1	1					
TSH-1515G-1	1					
TSH-2222G-1	1					
TSH-2230G-1	1					
TSH-3030G-1	1					
TSH-4040G-1	1					

TSH Series Solid Rigid PVC Duct Dimensions					
Nominal Size (WxH) inches (mm)	Actual Size (WxH) inches (mm)				
0.5 x 0.625 (15 x 18)	TSH-0506G-1	0.60 x 0.71 (15 x 18)			
1.00 x 1.00 (25.4 x 25.4)	TSH-1010G-1	1.00 x 1.18 (25 x 30)			
1.00 x 1.50 (25.4 x 38.1)	TSH-1015G-1	1.00 x 1.57 (25 x 40)			
1.50 x 1.50 (38.1 x 38.1)	TSH-1515G-1	1.57 x 1.57 (40 x 40)			
2.25 x 2.25 (57.15 x 57.15)	TSH-2222G-1	2.36 x 2.36 (60 x 60)			
2.25 x 3.00 (57.15 x 76.2)	TSH-2230G-1	2.36 x 3.15 (60 x 80)			
3.00 x 3.00 (76.2 x 76.2)	TSH-3030G-1	3.15 x 3.15 (80 x 80)			
4.00 x 4.00 (101.6 x 101.6)	TSH-4040G-1	3.94 x 3.94 (100 x 100)			

Note: All TSH duct comes in 6.56 feet (2m) lengths.

Dimensions

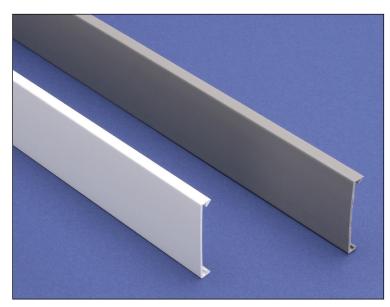


Note: Dimensions are in inches (millimeters).

BASE PERFORATION

1-800-633-0405 Wiring Duct

Wiring Duct Cover



Duct Cover

Our standard wire duct products are supplied complete with covers. These replacement covers are manufactured from the same rigid self-extinguishing PVC material.

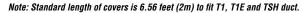


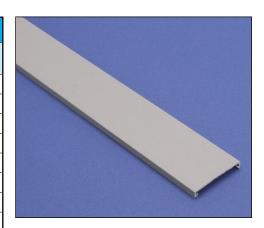


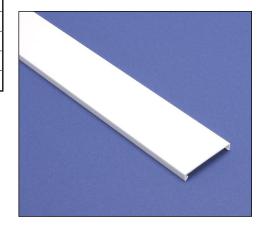




	Duct Cover Specifications						
Part Number Price		Description Color		Pcs/Pkg	Actual Total Length ft (m)		
COV-05G-1		Cover for 0.5" wide duct	Gray	1	6.56 (2)		
COV-10G-1		Cover for 1.0" wide duct	Gray	1	6.56 (2)		
COV-10W-1		Cover for 1.0" wide duct	White	1	6.56 (2)		
COV-15G-1		Cover for 1.5" wide duct	Gray	1	6.56 (2)		
COV-15W-1		Cover for 1.5" wide duct	White	1	6.56 (2)		
COV-22G-1		Cover for 2.25" wide duct	Gray	1	6.56 (2)		
COV-22W-1		Cover for 2.25" wide duct	White	1	6.56 (2)		
COV-30G-1		Cover for 3.0" wide duct	Gray	1	6.56 (2)		
COV-30W-1		Cover for 3.0" wide duct	White	1	6.56 (2)		
COV-40G-1		Cover for 4.0" wide duct	Gray	1	6.56 (2)		
COV-40W-1		Cover for 4.0" wide duct	White	1	6.56 (2)		
COV-60G-1		Cover for 6.0" wide duct	Gray	1	6.56 (2)		
COV-60W-1		Cover for 6.0" wide duct	White	1	6.56 (2)		







tWIR-9 1-800-633-0405 Wiring Duct

Wiring Duct – Accessories

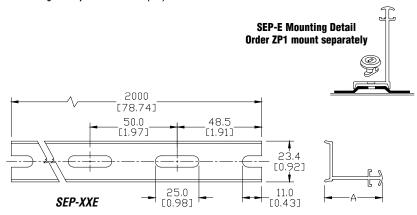
Duct Separators

Duct separators allow the physical separation of circuits within a single piece of duct. The various mounting arrangements allow alternate compartmentalization of duct and differing ratios of usable sections.



Duct Separators						
Part Number Price Description Color Pcs/Pkg Length ft (m)						
SEP-15E-1		Separator for 1.5" high duct	Gray	1	6.56 (2)	
SEP-22E-1 Separator for 2.25" high duct		Gray	1	6.56 (2)		
SEP-30E-1		Separator for 3.0" high duct	Gray	1	6.56 (2)	

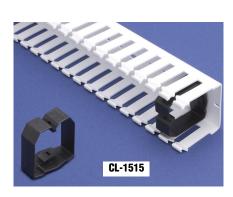
Note: Length of separators is 6.56 ' (2m).



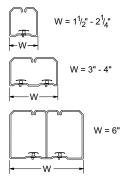
Note: Dimensions are in inches (mm).

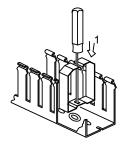
Wire Retainers

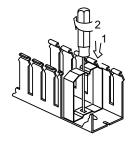
For holding wires during wiring operations, these retainers are essential. They allow easy access to the interior of the wiring duct during maintenance or alterations, while assuring that wiring bundles will not fall out when the duct cover is removed. Installed with a simple rotating movement, they anchor firmly in the recess boss in the duct base.

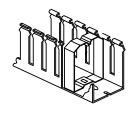


	Wire Retainers					
Part Number	Price	Description	Color	Pcs/Pkg		
CL-1515		Wire retainer fastener for 1.5" x 1.5" duct	Gray	40		
CL-1522		Wire retainer fastener for 1.5" x 2.25" duct	Gray	40		
CL-1530		Wire retainer fastener for 1.5" x 3.0" duct	Gray	20		
CL-2215		Wire retainer fastener for 2.25" x 1.5" duct	Gray	40		
CL-2222		Wire retainer fastener for 2.25" x 2.25" duct	Gray	20		
CL-2230		Wire retainer fastener for 2.25" x 3.0" duct	Gray	20		
CL-2240		Wire retainer fastener for 2.25" x 4.0" duct	Gray	20		
CL-3022		Wire retainer fastener for 3.0" x 2.25" duct	Gray	10		
CL-3030		Wire retainer fastener for 3.0" x 3.0" duct	Gray	10		
CL-3040		Wire retainer fastener for 3.0" x 4.0" duct	Gray	10		
CL-4022		Wire retainer fastener for 4.0" x 2.25" duct	Gray	10		
CL-4030		Wire retainer fastener for 4.0" x 3.0" duct	Gray	10		
CL-4040		Wire retainer fastener for 4.0" x 4.0" duct	Gray	5		
CL-6040		Wire retainer fastener for 6.0" x 4.0" duct	Gray	5		







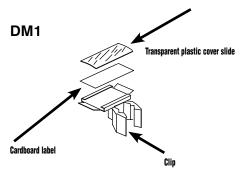


tWIR-12 Wiring Duct 1 - 800 - 633 - 0405

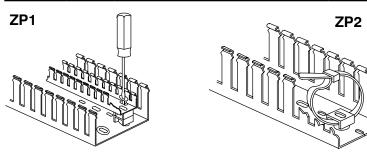
Wiring Duct – Accessories

Duct Marking Tags					
Part Number	Part Number Price Description				
DM1		Single-width white cardboard identification label for wiring duct. Supplied with black plastic mounting clip and transparent plastic cover slide	50		

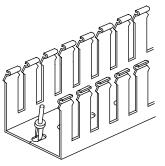
Note: DM1 marking tags can only be used with T1 series wire duct.



Mounting Devices						
Part Number	Part Number Price Description Pcs/Pkg					
ZP1		Round, white polyamide 'button' used to mount components and separators inside duct.	100			
ZP2		Square white polyamide cable tie mount used to tighten a wire bundle inside duct.	50			



	Wiring Duct Rivets and Rivet Tools					
Part Number						
R4*		Blue polyamide rivet used to install all types of wiring duct with standard 4.5 mm [0.17 in] mounting holes.	250			
B4		Red polyamide rivet tool used to install R4 rivets.	1			
R6*		Natural polyamide rivet used to install all types of wiring duct with standard 6.5 mm [0.26 in] mounting holes.	250			
B6		Yellow polyamide rivet tool used to install R6 rivets.	1			
* R4 drill hole size - 5/32" (4mm), R6 drill hole size - 7/32" (5.5mm)						



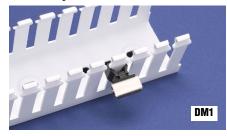




Identification Tags

Allowing easy identification of control gear and switchgear, these tags are mounted by snapping the clip onto the sidewall finger segments of the duct. No gluing - no drilling! After installation, they need not be removed during maintenance or any work which involves the removal of the covers.

Note: Take care that clip is installed above the wires coming out to the sidewall slots.



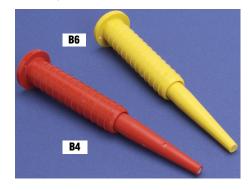
Mounting Inserts

We carry mounts in two styles: ZP1 for mounting components and SEP-E separators inside duct, or for mounting small sizes of duct inside larger sizes (for separation of circuits with different functions); and ZP2, which is used with a cable tie to secure a wire bundle inside the duct.



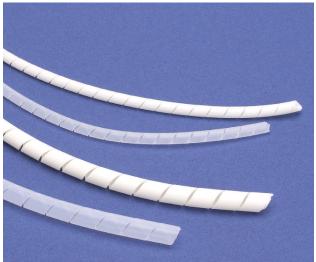
Rivets and Rivet Tools

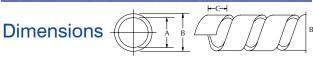
Wiring duct rivets install quickly and easily with the companion rivet tool, offering good temperature resistance and excellent mechanical properties. They can be used to install all types of wiring duct with standard mounting holes.



tWIR-13 Wiring Duct 1 - 800 - 633 - 0405

Wiring Duct – Accessories





Catalog Number		Dimensions in Inches			Wire Bundle	Feet per
Polyethylene	Flame- Retardant Polyethylene	A	В	C	Size in Inches	Carton
P-1	PA1	.06	.12	.20	1/16 to 1/2	160
P-2	P-2 PA2		.24	.31	1/4 to 2	80
P-3	PA3	.31	.39	.47	3/8 to 3	80
P-4	PA4	.35	.47	.47	½ to 4	65

Spiral Wrap

For neatly grouping wire bundles simply and economically, spiral wrap has no equal. Strong, yet easy to install, it protects the wire bundle, keeping it flexible though tightly contained. It is easily removed and reusable for temporary wiring.

		Spiral Wrap		
Part Number	Price	Description	Color	Length
P-1		0.125" nominal o.d. Polyethylene spiral wrap used for wire bundles from 1/16 to 1/2 inch diameter.	Natural	160 ft./pack
PA1		0.125" nominal o.d. self-extinguishing Polyethylene spiral wrap used for wire bundles from 1/16 to 1/2 inch diameter.	White	160 ft./pack
P-2		0.25" nominal o.d. Polyethylene spiral wrap used for wire bundles from 1/4 to 2 inch diameter.	Natural	80 ft./pack
PA2		0.25" nominal o.d. self-extinguishing Poly- ethylene spiral wrap used for wire bundles from 1/4 to 2 inch diameter.	White	80 ft./pack
P-3		0.375" nominal o.d. Polyethylene spiral wrap used for wire bundles from 3/8 to 3 inch diameter.	Natural	80 ft./pack
PA3		0.375" nominal o.d. self-extinguishing Polyethylene spiral wrap used for wire bundles from 3/8 to 3 inch diameter.	White	80 ft./pack
P-4		0.5" nominal o.d. Polyethylene spiral wrap used for wire bundles from 1/2 to 4 inch diameter.	Natural	65 ft./pack
PA4		0.5" nominal o.d. self-extinguishing Poly- ethylene spiral wrap used for wire bundles from 1/2 to 4 inch diameter.	White	65 ft./pack



Braided Expandable Sleeving Material Specifications						
Operating Temp	-50°C to +150°C (-58°F to +302°F)					
Physical Properties	Self-extinguishing for UL 94V-2					
Maximum Elongation	42%					
Diameter Expansion	100%					
Other	Halogen-free					

Braided Sleeving

This lightweight, expandable, self-extinguishing polyester sleeving has an open weave to allow maximum diameter expansion. It is super-flexible and easy to install, gripping objects of various shapes and sizes reliably. Abrasion-resistant, it provides extra protection against chemicals and flame.

	Expandable Sleeving					
Part Number	Price	Description	Color	Length		
TY-5		Braided expandable polyester sleeving, 0.197"(5mm) nominal i.d., 0.157"(4mm) to 0.472"(12mm) nominal range	Black	325 ft./pack		
TY-10		Braided expandable polyester sleeving, 0.375"(10mm) nominal i.d., 0.315"(8mm) to 0.866"(22mm) nominal range	Black	325 ft./pack		
TY-20		Braided expandable polyester sleeving, 0.750"(20mm) nominal i.d., 0.630"(16mm) to 1.378"(35mm) nominal range	Black	164 ft./pack		
TY-30		Braided expandable polyester sleeving, 1.125"(30mm)nominal i.d., 0.984"(25mm) to 1.890"(48mm) nominal range	Black	164 ft./pack		
TY-50		Braided expandable polyester sleeving, 2.0"(50mm) nominal i.d., 1.575"(40mm) to 2.825"(72mm) nominal range	Black	164 ft./pack		

tWIR-14 Wiring Duct 1 - 800 - 633 - 0405

Wiring Duct - Material Specifications

Material Specifications								
Materials	Test Standard	Unit of Measure	Rigid PVC	Polypropylene	PVC Molded Components		Polyethylene	Flame Retardant Polyethylene
Technical Characteristics								
Chemical/Physical Properties								
Specific Gravity	ASTM D792	g/cm ³	1.55	1.01	1.32	1.14	0.92	0.97
H ₂ O 73.4°F Absorption	ISO 62	%	<0.1	0.02	<0.1	2.5	<0.1	<0.1
Formaldehyde	-	ppm	absent	absent	absent	absent	absent	absent
Cadmium	-	ppm	absent	absent	absent	absent	absent	absent
Mechanical Properties								
Tensile Stress at Break	ASTM D638	MPa	39	28	30	45	17	15
Traction Strength	ASTM D638	MPa	44	27	27	55	9.5	9
Elongation at Break	ASTM D638	%	130	200	97	250	400	600
Modulus of Elasticity at Traction	ASTM D638	MPa	4400	n/a	_	950	-	240
Modulus of Elasticity at Flexion	ASTM D790	MPa	3200	2100	-	1100	210	130
Thermal Properties								
Temperature VICAT	ASTM D1525	°C	84	95	70	198	89	_
HDT	ASTM D648	°C	72	60	60	185	-	-
Coefficient of Expansion	ASTM D696	K-1	6 10-5	10-5	8 10 ⁻⁵	8-10 10-5	22 10-5	10-5
Specific Heat	ASTM C351	kJ/kgK	0.94	n/a	1.24	1.7	-	-
Thermal Conductivity	ASTM C177	W/mK	0.14	0.21	0.14	0.29	0.32	0.32
Electrical Properties								
Dielectric Constant	ASTM D150	_	3.2 - 4.0	2.5	3.2	5.0	2.4	2.3
Dielectric Strength	IEC 243	kV/mm	70	25	60	35	90	90
Surface Resistance	IEC 93	Ω	1013	1013	1013	5 10 ¹¹	1013	1013
Self-Extinguishing Self-Extingui								
Self-Extinguishing UL 94 1.6 mm	UL 94	-	V-0	V-0	V-0	V-2	НВ	V-2
Self-Extinguishing UL 94 3.2 mm	UL 94	-	V-0	V-0	V-0	V-2	НВ	V-2
Hot Wire Test (2 mm)	IEC 695-2-1	°C	960	960	960	650	650	850
Oxygen Number	ASTM D2863	%	43	30	34	25	-	25

tWIR-15 Wiring Duct 1 - 800 - 633 - 0405