

Terminal Insulators

When you think terminal insulators, think *VTE Inc.*

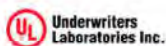
At VTE, Inc., terminal insulators are the foundation of our business. When the company was founded, our vision was clear: manufacturing molded terminal insulators, of high quality, at a reasonable price. We have been designing, developing and manufacturing terminal insulators for over 30 years.



Through the years, we have extended our reach into all areas of marine, industrial and commercial markets. We've worked with clients to develop new and exciting products, to fill the needs of these clients, and the needs of entire markets. But these growth areas haven't changed our outlook: create great product, at a great price.

VTE has been able to keep current with industry standards, making our products the smart choice for developers of standards-compliant products.

Our PVCs meet various UL standards, and are RoHS2 and REACH Compliant.



Industry Standards

Industry standards state that each ungrounded terminal or stud that is continuously energized must have a boot, nipple, cap, cover, or shield that prevents accidental short-circuiting at the terminals or studs. VTE terminal insulators are a safe and cost-effective way to adhere to these standards. See page 27 for a more detailed list of the standards that we meet.

Product Materials

VTE manufactures our products in various materials, to comply with different industry standards, and to meet different pricing objectives. Not all insulators are available in all materials. Please contact VTE for material options.

Material Type	Description	U.L. 94 Flame Class	Brittleness Degrees C	Service Temp Degrees C	Tensile Strength PSI	Elongation %
V	Vinyl (Standard)	V-2	-36	105	1300	400
F	Vinyl (FR-Material)	V-0	N/A	90	1632	383
T	Thermoplastic Rubber	HB	-60	90	1020	450



Color

VTE manufactures product in (4) colors. Not all insulators are available in all colors. Please contact VTE for color options.

Standard Colors:

02 - Red

05 - Yellow

09 - Blue

14 - Black



200 Series Lug & Ring Terminal Caps

VTE 200 Series terminal insulators are designed to protect ring and lug terminals. They are available in sizes from 12 mm up to 34 mm. They are manufactured from PVC, which has a 105°C temperature rating.

TOD = Terminal Outside Diameter



212 Series
12 mm TOD
18 - 2 ga cable



214 Series
14 mm TOD
18 - 2 ga cable



216 Series
16 mm TOD
18 - 2 ga cable



218 Series
18 mm TOD
18 - 2 ga cable



220 Series
20 mm TOD
18 - 2/0 ga cable



222 Series
22 mm TOD
18 - 2/0 ga cable



224 Series
24 mm TOD
18 - 2/0 ga cable



226 Series
26 mm TOD
18 - 2/0 ga cable

The 200 Series terminal insulators work with stud and eyelet terminals.

This series can have an extended length for longer terminals, and can be manufactured in (14) colors.

The 200 Series is commonly used on inverters, starters, windlasses, chargers, and other high energy connections.



228 Series
28 mm TOD
18 - 2/0 ga cable



230 Series
30 mm TOD
18 - 2/0 ga cable



232 Series
32 mm TOD
18 - 4/0 ga cable



234 Series
34 mm TOD
18 - 4/0 ga cable



Notes

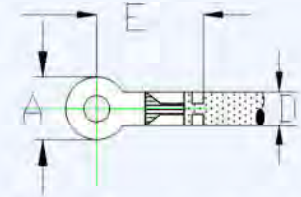
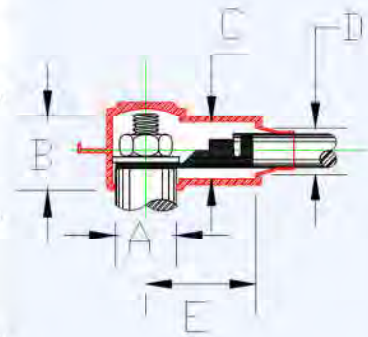
200 Series Lug & Ring Terminal Caps

Part Dimensions / Ordering Information



Dimensions

Base Part Number	A Terminal O.D. (in/mm)	B Post Height (in/mm)	C Ins. Grip Diameter (in/mm)	D Cable Entry Options (See Chart)	E Terminal Length (in/mm)	Nominal Material Thickness (in/mm)
212N	.48 / 12	.70 / 17.8	.5 / 12.7	1, 2	1.0 / 25.4	.06 / 1.5
212E	.48 / 12	.70 / 17.8	.5 / 12.7	1, 2	1.25 / 31.8	.06 / 1.5
214N	.55 / 14	.75 / 19.1	.5 / 12.7	1, 2	1.0 / 25.4	.06 / 1.5
214E	.55 / 14	.75 / 19.1	.5 / 12.7	1, 2	1.25 / 31.8	.06 / 1.5
216N	.65 / 16	.80 / 20.3	.5 / 12.7	1, 2	1.0 / 25.4	.06 / 1.5
216E	.65 / 16	.80 / 20.3	.5 / 12.7	1, 2	1.25 / 31.8	.06 / 1.5
218N	.73 / 18	.87 / 22.1	.5 / 12.7	1, 2	1.0 / 25.4	.06 / 1.5
218E	.73 / 18	.87 / 22.1	.5 / 12.7	1, 2	1.25 / 31.8	.06 / 1.5
220N	.81 / 20	.95 / 24.1	.7 / 17.8	1, 2, 3	1.32 / 33.5	.07 / 1.8
220E	.81 / 20	.95 / 24.1	.7 / 17.8	1, 2, 3	1.75 / 44.5	.07 / 1.8
222N	.87 / 22	1.05 / 26.7	.7 / 17.8	1, 2, 3	1.32 / 33.5	.07 / 1.8
222E	.87 / 22	1.05 / 26.7	.7 / 17.8	1, 2, 3	1.75 / 44.5	.07 / 1.8
224N	.95 / 24	1.13 / 28.7	.7 / 17.8	1, 2, 3	1.62 / 41.2	.08 / 2.0
224E	.95 / 24	1.13 / 28.7	.7 / 17.8	1, 2, 3	2.06 / 52.3	.08 / 2.0
226N	1.03 / 26	1.25 / 31.8	.7 / 17.8	1, 2, 3	1.62 / 41.2	.08 / 2.0
226E	1.03 / 26	1.25 / 31.8	.7 / 17.8	1, 2, 3	2.06 / 52.3	.08 / 2.0
228N	1.11 / 28	1.32 / 33.5	.75 / 19.1	1, 2, 3	1.75 / 44.5	.09 / 2.3
228E	1.11 / 28	1.32 / 33.5	.75 / 19.1	1, 2, 3	2.25 / 57.2	.09 / 2.3
230N	1.20 / 30	1.40 / 35.6	.75 / 19.1	1, 2, 3	1.75 / 44.5	.09 / 2.3
230E	1.20 / 30	1.40 / 35.6	.75 / 19.1	1, 2, 3	2.25 / 57.2	.09 / 2.3
232N	1.28 / 32	1.50 / 38.1	.9 / 22.9	1, 2, 3, 4	1.75 / 44.5	.10 / 2.5
232E	1.28 / 32	1.50 / 38.1	.9 / 22.9	1, 2, 3, 4	2.38 / 60.5	.10 / 2.5
234N	1.37 / 34	1.60 / 40.6	.9 / 22.9	1, 2, 3, 4	2.0 / 50.8	.10 / 2.5
234E	1.37 / 34	1.60 / 40.6	.9 / 22.9	1, 2, 3, 4	2.63 / 66.8	.10 / 2.5



For use with stud-type terminal posts

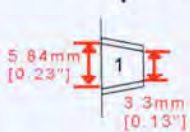
Finding the correct insulator

1. Determine your terminal's outside diameter (A above)
2. Determine your terminal's post height (B above)
3. Determine your terminal's cable entry (D above)

Match your terminal's measurements against the table above to find the correct insulator for your application.

Call VTE Inc. for more information on finding the correct insulator for your needs.

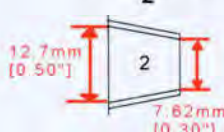
Cable Entry 1



Cable Gauges 18 - 10

0.8mm² (3.24mm [0.13"]) to 5mm² (5.42mm [0.215"])

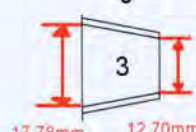
Cable Entry 2



Cable Gauges 8 - 2

8mm² (6.98mm [0.28"]) to 32mm² (11.93mm [0.51"])

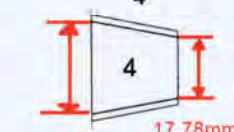
Cable Entry 3



Cable Gauges 2 - 2/0

32mm² (11.93mm [0.51"]) to 62mm² (16.0mm [0.66"])

Cable Entry 4



Cable Gauges 3/0 - 4/0

81mm² (18.3mm [0.75"]) to 103mm² (19.8mm [0.81"])

Sample 8 Digit Part Number

232 N 4 V 02

Mold Number:
212 - 234

Length:
N - Normal
E - Extended

Cable Entry
(see above)

Material:
V - Vinyl

Color:
02 - Red
14 - Black

Lug & Ring Terminal Insulators

A more comprehensive line of insulators, offering a wider variety of lug and ring protection. Our lug and ring insulators can be used with starters, generators, alternators, solenoids, and other devices.



258 Series



- Protect large terminal connections from shorts
- Terminal Outside Dia: 2.3" / 58.7mm
- Post Height: 2.0" / 50.8mm
- Inside Grip Diameter: .65" / 16.6mm
- Can accept multiple cables, up to 1/0 ga each

Part #	Cable Entry Size
258N9	Oval, up to 4/0



216T Series



- Snap-on insulator, can be removed without cable
- Terminal Outside Dia: .64" / 16.3mm
- Post Height: .74" / 18.8mm

Part #	Cable Entry Size
216T8	.27" / 6.9mm



400 Series



- Terminal Outside Dia: .6" / 15.2mm
- Post Height: .88" / 22.4mm
- Inside Grip Dia: .44" / 11.2mm
- Terminal Length: 1.19" / 30.3mm

Part #	Cable Entry Size
400N7	.31" / 7.9mm
400N9	.44" / 11.2mm
400E4	.18" / 4.6mm



405 Series



- Terminal Outside Dia: 1.0" / 25.4mm
- Post Height: .98" / 24.8mm
- Inside Grip Diameter: .50" / 12.7mm

Part #	Cable Entry Size
405N1	.13" / 3.3 mm
405N2	.30" / 7.6mm
405N9	.50" / 12.7mm



406 Series

406N3	.16" / 4.1mm
406N9	.75" / 19mm



470 Series



- Terminal Outside Dia: .85" / 21.6mm
- Post Height: 1.06" / 26.9mm
- Inside Grip Diameter: .63" / 15.9mm
- Terminal Length: 1.81" / 46.0mm

Part #	Cable Entry Size
470N9	.63" / 15.9mm



485 Series



- Terminal Outside Dia: .52" / 12.9mm
- Post Height: .45" / 11.4mm
- Inside Grip Diameter: .25" / 6.4mm
- Cable Entry: .25" / 6.4mm

Part #	Cable Entry Size
485N9	.25" / 6.4mm



487 Series



- Terminal Outside Dia: 1.26" / 32mm
- Post Height: .98" / 24.9mm
- Inside Grip Dia: 1.0" / 25.4mm
- Available in 5 cable entries

Part #	Cable Entry Size
487N6	.5" / 12.7mm
487N7	.6" / 15.2mm
487N8	.65" / 16.5mm
487N9	.75" / 19mm
488N9	.87" / 22.1mm



488 Series

Lug & Ring Terminal Insulators

Continuation of our lug & ring terminal insulators



Terminal Insulators



490 Series



- Used for angled connections
- Terminal Outside Dia: .75" / 19.1mm
- Post Height: 1.07" / 27.2mm
- Inside Grip Dia: .50" / 12.7mm

Part #	Cable Entry Size
490N9	.5" / 12.7mm



510 Series



- Terminal Outside Dia: .5" / 12.7mm
- Post Height: .8" / 20.3mm
- Inside Grip Diameter: 6.4 - 11.6mm
- Additional lead times may apply

Part #	Cable Entry Size
510N9	.25" / 6.4mm



600 Series



- Terminal Outside Dia: 1.57" / 40mm
- Post Height: 1.62" / 41.1mm
- Inside Grip Dia: .65" / 16.6mm
- Available in 7 cable entries

Part #	Cable Entry Size
600N1	(1) .31" / 7.9mm
600N2	(2) .31" / 7.9mm
600N3	(1) .5" / 12.7mm
600N4	(2) .5" / 12.7mm
600N5	(1) .62" / 15.8mm
600N6	(2) .62" / 15.8mm
600N7	Oval up to 4/0 ga



690 Series



- Protect medium duty right angle terminals
- Accept 8ga - 4/0ga cables

Part #	Cable Entry	Terminal Footprint
691N9	.16" / 3.9mm	.78 x 1.13" / 19.7 x 28.7mm
692N9	.24" / 6.2mm	.77 x 1.08" / 19.6 x 27.4mm
693N9	.27" / 6.9mm	.82 x 1.14" / 20.8 x 28.8mm
694N9	.29" / 7.4mm	.84 x 1.19" / 21.3 x 30.2mm
695N9	.32" / 8.2mm	.92 x 1.26" / 23.4 x 32mm
696N9	.35" / 8.9mm	1.02 x 1.22" / 25.9 x 31mm



800 Series



- Terminal Outside Dia: .73" / 18.5mm
- Post Height: 1.03" / 26.2mm
- Inside Grip Dia: .42" / 10.7mm
- Additional lead times may apply

Part #	Cable Entry Size
800N4	.17" / 4.3mm
800N5	.21" / 5.3mm
800N8	.31" / 7.9mm
800N9	.50" / 12.7mm



801 Series



- Terminal Outside Dia: .75" / 19.1mm
- Post Height: 1.03" / 26.2mm
- Inside Grip Dia: .37" / 9.4mm
- Cable Entry: .31" / 7.9mm

Part #	Cable Entry Size
801N8	.31" / 7.9mm



960 Series



- Protect heavy duty right angle terminals
- Accept 8ga - 4/0ga cables

Part #	Cable Entry	Terminal Footprint
962N9	.21" / 5.3mm	.77 x 1.10" / 19.4 x 30.0mm
963N9	.24" / 6.0mm	.75 x 1.35" / 19.1 x 34.2mm
964N9	.33" / 8.5mm	.81 x 1.36" / 20.6 x 34.6mm
965N9	.36" / 9.2mm	.90 x 1.49" / 22.9 x 37.8mm
966N9	.35" / 9.0mm	.97 x 1.50" / 24.5 x 38.2mm
967N9	.44" / 11.1mm	1.08 x 1.51" / 27.5 x 38.2mm
968N9	.44" / 11.1mm	1.16 x 1.60" / 29.5 x 40.5mm

Terminal Busbars

Power Bushings

Battery Terminals

Fuses & Fuse Holders

Battery Terminal Insulators

VTE manufactures a complete line of battery terminal insulators. These insulators are designed for use in marine, commercial, industrial and automotive fields. Our battery terminal insulators are available in various materials and colors.



409 Series



- Protect stamped or wrapped battery terminals
- Available in 2 cable entries
- Post Height: .83" / 21.0mm
- Cable Entry : 8 ga -1/0 ga

Part #	Cable Entry Size
409N2	.29" / 7.2mm
409N3	.50" / 12.7mm



415 Series



- Protect tapered style battery posts
- Post Height: .74" / 18.8mm
- Cable Entry: 1/0 ga - 2/0 ga
- Available in 4 entry sizes

Part #	Cable Entry Size
415N6	.37" / 9.4mm
415N7	.44" / 11.2mm
415N8	.50" / 12.7mm
415N9	.625" / 15.9mm



416 Series



- Protect tapered style battery posts
- Post Height: .76" / 19.3mm
- Inside Grip: .63" / 16.0mm

Part #	Cable Entry Size
416N9	.63" / 16.0mm



417 Series



- Snap-on Insulator, can be removed without cable
- Post Height: .91" / 23.1mm
- Inside Grip Diameter: .50" / 12.7mm
- Cable Entry: 1 - 1/0 ga

Part #	Cable Entry Size
417N9	.50" / 12.7mm



430 Series



- Protect tapered style battery posts
- Post Height: .83" / 21.1mm
- Inside Grip Diameter: .56" / 14.2mm
- Cable Entry: 2/0, 3/0 ga

Part #	Cable Entry Size
430N7	.56" / 14.2mm
430N8	.68" / 17.3mm



455 Series



- Insulator for dual post battery
- Insulator snaps onto cable, and can be fastened with zip-tie
- Can accept multiple cables, of different sizes

Part #	Cable Entry Size
455N4	.4" / 10mm
455N6	.5" / 12.7mm
455N8	.75" / 19.1mm

Battery Terminal Insulators

Continuation of our battery terminal insulators



458 Series



- Insulator for dual post battery
- Attached cover can insulate post when not in use
- Often used with 226 Series Cap

Part #	Cable Entry Size
458N0	n/a



500 Series



- Protect angle battery terminals
- Left, right, and dual cable entry
- Available in two sizes
- Cable Entry:

Part #	Cable Entry Size
500L7	.5" / 12.7mm
500L9	.69" / 17.5mm
500R7	.5" / 12.7mm
500R9	.69" / 17.5mm
500D7	.5" / 12.7mm
500D9	.69" / 17.5mm



553 Series



- Protect side post battery connection
- Available in two sizes

Part #	Cable Entry Size
553X6	.59" / 15.0mm
553X9	.90" / 22.9mm



460 Series



- Protect marine battery, Exide 32
- Tabbed finger grip, for easy removal
- Available for positive and negative
- Allows for secondary battery connection

Part #	Cable Entry Size
460N9	n/a



462 Series



- Protect dual-post battery terminals
- Often used in marine industry
- Attached cap covers post when not in use

Part #	Cable Entry Size
462N0	n/a



466 Series



- Protect heavy duty battery terminal
- Inside Grip Dia: .42" / 10.7mm
- Cable Entry:

Part #	Cable Entry Size
466L1,R1	.13" / 3.3mm
466L2,R2	.30" / 7.6mm
466L3,R3	.50" / 12.7mm
466N9	Oval up to 4/0 ga



468 Series



- Protect heavy duty battery terminal
- Accepts Right, Left, and Dual Cable
- Snaps onto terminal & cable
- Accepts up to 4/0 ga cables

Part #	Cable Entry Size
468L9	.82" / 20.8mm
468R9	.82" / 20.8mm
468D9	.82" / 20.8mm

Battery Terminal Insulators

Continuation of our battery terminal insulators



730 Series



- Protect marine wing-nut terminals
- Top insulator swivels to accommodate different cable direction
- Several cable entries
- Top insulator offers single, dual, and multiple cable entry

Red	Black	Cable Entry
731N1V02	730N1V14	(1) .31" / 7.9mm
731N2V02	730N2V14	(2) .31" / 7.9mm
731N3V02	730N3V14	(1) .5" / 12.7mm
731N4V02	730N4V14	(2) .5" / 12.7mm
731N5V02	730N5V14	(1) .62" / 15.8mm
731N6V02	730N6V14	(2) .62" / 15.8mm
731N7V02	730N7V14	Oval up to 4/0 ga



843 Series



- Protect tapered battery post
- Left, right, & dual cable entry
- Post Height: .79" / 20.1mm

Part #	Cable Entry Size
843L8	.44" / 11.2mm
843L9	.50" / 12.7mm
843R8	.44" / 11.2mm
843R9	.50" / 12.7mm
843D8	.44" / 11.2mm
843D9	.50" / 12.7mm



900 Series



- Protect tapered battery post
- Left, right, & dual cable entry
- Cable entry ring can utilize zip-tie, securing insulator
- Cable entry: Up to 3/0 ga (4/0 ga when cut and ziptied)

Part #	Cable Entry Size
900L9	.63" / 16.0mm
900R9	.63" / 16.0mm
900D9	.63" / 16.0mm



975 Series



- Heavy duty cable series
- Cable entry accepts double cable
- Wide cable entry for large cable
- Cable Entry: Up to 4/0 ga

Part #	Cable Entry Size
975D8	.80" / 20.3mm



976 Series



- Heavy duty cable series
- Triple cable entry permits 3 cables
- Wide cable entry for large cable
- Cable entries can be blocked
- Cable Entry: Up to 4/0 ga

Part #	Cable Entry Size
976N8	.80" / 20.3mm

Notes

L-Post Terminal Insulators

This series of insulators is designed to protect L-Post terminals, or Flag terminals.

433 Series



- Protect L-Post battery terminals
- Available with left & right entry
- Cable entry: .44" / 11.2mm
- Post Height: 1.04" / 26.4mm

Part #	Cable Entry Size
433L5	.44" / 11.2mm
433R5	.44" / 11.2mm

436 Series



- Protect flat threaded battery posts
- Also protect low-profile L-Posts
- Insulator snaps onto cable
- Can be secured to cable with ziptie
- Available without shroud
- Post Height: .75" / 19.1mm

Part #	Cable Entry Size
436N4	.36" / 9.2mm
436N5	.48" / 12.2mm
436N7	.64" / 16.2mm
436S4	.35" / 9.0mm
436S5	.48" / 12.2mm

437 Series



- Protect L-Post battery terminals
- Insulator snaps onto cable
- Can be secured to cable with ziptie
- Available without shroud
- Post Height: 1.28" / 32.5mm

Part #	Cable Entry Size
437N4	.36" / 9.3mm
437N5	.46" / 11.4mm
437N7	.48" / 12.3mm
437S5	.40" / 10.0mm

439 Series



- Protect L-Post battery terminals
- Large design to fit various terminals
- Insulator snaps onto cable
- Can be secured to cable with ziptie
- Post Height: 1.28" / 32.5mm

Part #	Cable Entry Size
439N5	.38" / 9.6mm

444 Series



- Protect smaller L-Post terminals
- Available with left or right entry
- Post Height: 1.2" / 30.5mm

Part #	Cable Entry Size
444L6	.30" / 7.6mm
444R6	.30" / 7.6mm
444L8	.37" / 9.4mm
444R8	.37" / 9.4mm
444L9	.44" / 11.2mm
444R9	.44" / 11.2mm

799 Series



- Protect L-Post battery terminals
- Left, right & dual cable entry
- Post Height: 1.51" / 38.3mm
- Cable Entry: .25" / 6.4mm

Part #	Cable Entry Size
799L9	.25" / 6.4mm
799R9	.25" / 6.4mm
799D9	.25" / 6.4mm

Adapter Terminal Insulators

Adapter Terminal Insulators are designed to protect combination connections, where cables may be detached from the battery terminal.



419 Series



- Protect multiple cable terminals
- Insulator can slide back, to access cable connections
- Cable Entry: .53" / 13.8mm

Part #	Cable Entry Size
419N9	Open up to 1/0 ga



421 Series



- Protect offset battery terminals
- Use with negative terminal, usually left cable entry
- Insulator slides over terminal
- Cable Entry: .60" / 15.2mm

Part #	Cable Entry Size
421N9	.60" / 15.2mm



422 Series



- Protect offset battery terminals
- Use with positive terminal, usually right cable entry
- Insulator slides over terminal
- Cable Entry: .60" / 15.2mm

Part #	Cable Entry Size
422N9	.60" / 15.2mm



456 Series



- Protect marine battery terminals
- Works with bolt-on / wing-nut type battery terminals
- Accepts single or multiple cables

Part #	Cable Entry Size
456N9	Oval up to 4/0 ga



457 Series



- Protect marine battery terminals
- Works with bolt-on / wing-nut type battery terminals
- Single cable entry, in 3 sizes

Part #	Cable Entry Size
457N1	.11" / 2.8mm
457N2	.32" / 8.1mm
457N3	.55" / 14.0mm

Adapter Terminal Insulators

Continuation of our adapter terminal insulators.



451 Series



- Protect multiple cable terminals
- Insulator snaps onto cables and can be removed easily
- Cable Entry: .53" / 13.8mm

Part #	Cable Entry Size
451N9	Open up to 1/0 ga



453 Series



- Protect offset battery terminals
- Use with negative terminal, usually left cable entry
- Insulator snaps onto cable
- Cable Entry: .50" / 12.7mm

Part #	Cable Entry Size
453L9V14	Open up to 1/0 ga
453D9V14	Open up to 1/0 ga

'D' version allows cable to pass through insulator to next connection



454 Series



- Protect offset battery terminals
- Use with positive terminal, usually right cable entry
- Insulator snaps onto cable
- Cable Entry: .50" / 12.7mm

Part #	Cable Entry Size
454R9V02	Open up to 1/0 ga
454D9V02	Open up to 1/0 ga

'D' version allows cable to pass through insulator to next connection



476 Series



- Protect heavy duty battery terminals
- Waterproof insulator/cover kit
- Prevents electrical current flow when submerged in salt water
- Includes 479 Series disc:

Part #	Cable Entry Size
776N7	.42" / 10.7mm
776N8	.62" / 15.8mm
776N9	.82" / 20.8mm



484 Series



- Protect 2 right angle terminals from accidental shorts
- Available in regular V material and Thermoplastic Rubber (T)
- Very large cable entry accepts 4/0ga + sized cables

Part #	Cable Entry Size
484N9	4/0ga + (1.18" / 30mm)



Specialty Terminal Insulators

VTE manufactures various insulators, for distinct applications.

310 Series



- Grommet used to seal off cable entry holes
- Protect cables from sharp edges
- Fits Hole Diameter: 1" / 25.4mm
- Outer Diameter: 1.54" / 39.1mm
- Max Panel Thickness: .060" / 1.5mm

Part #	Cable Entry Size
310N4	.25" / 6.4mm
310N6	.28" / 7.1mm
310N7	.38" / 9.7mm
310N8	.40" / 10.2mm
310N9	.50" / 12.7mm

311 Series



- Grommet used to seal off cable entry holes
- Protect cables from sharp edges
- Fits Hole Diameter: 1.0" / 25.4mm
- Max Panel Thickness: .06" / 1.5mm

Part #	Cable Entry Size
311N9	.80" / 20.3mm

375 Series



- Protective covers for bulkhead connector
- Available in "L" or "T" shape
- Insulator snaps onto cable
- Accepts 2/0 - 4/0 ga cables

Part #	Cable Entry Size
375L5	.6" x 1.2" /
375T5	15.2mm x 30.5mm

464 Series



- Protect reset circuit breaker
- Removable side entries to customize application
- Top cover presses down onto circuit breaker posts

Part #	Cable Entry Size
464N0	.24" / 6.2mm

479 Series



- Protect connection points from accidental shorts
- Available with 2 hole sizes
- For use with 8 Point Power Posts
- For use with 480 Series 8D Kit
- For use with 476 battery insulator kit

Part #	Cable Entry Size
479A9	.63" / 16mm
479B9	.77" / 19.6mm
479N9	n/a

Specialty Terminal Insulators

Continuation of our specialty terminal insulators.

550 Series



- Covers engine sensors
- Generous height and downward wire exit
- Retainer lip keeps cover in place
- Wall Thickness: ~1mm
- Available in 2 cable entries

Part #	Cable Entry Size
550N6	.25" / 6.4mm
550N9	.38" / 9.5mm

560 Series



- Covers engine sensors
- Generous height and downward wire exit
- Retainer lip keeps cover in place
- Wall Thickness: ~2.8mm

Part #	Cable Entry Size
560N4	.25" / 6.4mm

621 Series



- Small straight sensor cover
- Molded in ring allows for greater strength
- Typically used with oil and water temperature sensors

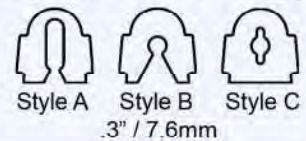
Part #	Cable Entry Size
621N9	.25" / 6.4mm

725 Series



- Accepts terminals up to 24mm
- Tunnel cap allows for various cable entry sizes and shapes
- Insulator can be zip-tied to cable
- Maximum terminal OD: .94" / 24mm
- Maximum terminal height: .99" / 25.3mm

Part #	Cable Entry Size
224T9	Various Inserts

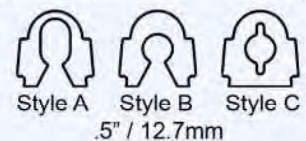


729 Series



- Accepts terminals up to 28mm
- Tunnel cap allows for various cable entry sizes and shapes
- Insulator can be zip-tied to cable
- Maximum terminal OD: 1.1" / 28mm
- Maximum terminal height: 1.2" / 30.7mm

Part #	Cable Entry Size
228T9	Various Inserts



735 Series



- Accepts terminals up to 34mm
- Tunnel cap allows for various cable entry sizes and shapes
- Insulator can be zip-tied to cable
- Maximum terminal OD: 1.52" / 34mm
- Maximum terminal height: 1.3" / 38.6mm

Part #	Cable Entry Size
234T9	Various Inserts



Specialty Terminal Insulators

VTE manufactures various insulators, for distinct applications.



795 Series



- Protect multiple cable connections from shorts
- Snap on top allows access to connection
- Single Entry Diameter: .7" / 17.8mm

Part #	Cable Entry Size
795	.7" / 17.8mm



830 Series



- Cover for 50 amp 2 pole battery charger connector
- Made from fire retardant PVC

Part #	Cable Entry Size
830N0	n/a



831 Series



- Cover for 175 amp 2 pole battery charger connector
- Made from fire retardant PVC

Part #	Cable Entry Size
831N0	n/a



832 Series



- Cover for 350 amp 2 pole battery charger connector
- Made from fire retardant PVC

Part #	Cable Entry Size
832N0	n/a



840 Series



- Small right angle sensor cover
- Typically used with oil or water temperature sensors
- Body opening: .81" / 20.6mm
- Cable Entry: .25" / 6.4mm

Part #	Cable Entry Size
840N9	.25" / 6.4mm



956 Series



- Protect connection points, or battery array connections
- Top lid allows for easy access to connection point
- Accepts up to 2/0 cables

Part #	Cable Entry Size
956D9	.7" / 17.8mm