

# Neon - Glass Tubing



## VOLTARC Glass Tubing

VOLTARC offers a broad selection of colors and the most shades of white available in glass tubing for Neon signs. Voltarc's Color Guard™ Coating process assures uniformity of coating thickness along the whole length of the tube and color consistency between batches. Diameters: 10, 12, 13 and 15mm. Cartons are 25 lbs. Clear Lead Glass is available in 50 lb. cartons.

**WE WILL BREAK CARTONS UPON REQUEST.**

### **SINGLE COATED LEAD GLASS**

#### **4' LENGTHS**

**DIAMETER: 10, 12, 13 & 15 MM**

#### **COLORS**

SNOW WHITE 6500

WHITE 4500

WHITE 3500

BRITE WHITE 8300

WARM WHITE 3000

GREEN

BLUE

TURQUOISE

AQUAMARINE

PURPLE

LAVENDER

PINK WHITE

MERCURY ROSE

ULTRABLUE

SPARKLING BLUE

BLACKLIGHT

SDI

HI-5100 WHITE

### **DOUBLE COATED LEAD GLASS**

#### **4' LENGTHS**

**DIAMETER: 10, 12, 13 & 15 MM**

#### **COLORS**

CLEAR GOLD II

NEOBUE

NEORUBY

DEEP GREEN

CLEAR BRITE YELLOW

MAJESTIC GOLD

MAJESTIC ORANGE

### **CLEAR LEAD GLASS**

#### **4' LENGTHS**

**DIAMETER: 5, 10, 12, 13, 15, 20 & 25 MM**

<b>COLOR</b>	<b>DESCRIPTION</b>
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CLEAR	REGULAR
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CLEAR	HEAVYWALL (15 MM ONLY)
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**\*\*50 lbs. CARTONS\*\***

# Neon - Glass Tubing



## EGL® Glass Tubing

EGL® Glass Tubing for Neon signs offers the largest color selection and batch-to-batch color consistency. EGL Glass provides brilliant color which will not flake, even at the tightest bends. Diameters: 10, 12, 13 and 15mm. 4' lengths. Cartons are 25 lbs.

**WE WILL BREAK CARTONS UPON REQUEST.**

### **SIGNMATE™ LEAD GLASS TUBING 4' LENGTHS**

**DIAMETER: 10, 12, 13 & 15 MM**

#### **COLORS**

BRIGHTWHITE 8300 (V45B)

DAYLIGHT E65

SNOWWHITE E30

SNOW WHITE 6500

BRITWHITE E66

WHITE 4500 & V4500

WHITE 3500 & V3500

WARM WHITE E3000

PINK H 3700

GREEN E10

TROPIC GREEN

TURQUOISE E20 & E12

AQUA E21

AZURE

SEACREST

LAVENDER

LILAC

VIOLET

PURPLE

CORAL PINK

FLAMINGO

BLUE E40

HORIZON BLUE

MEDIUM BLUE

### **C.L. DESIGNER HIGH OUTPUT GLASS TUBING**

**4' LENGTHS**

**DIAMETER: 10, 12, 13 & 15 MM**

#### **COLORS**

C.L. DESIGNER 28

WARM (PINKISH)

C.L. DESIGNER 30

C.L. DESIGNER 35

C.L. DESIGNER 41

C.L. DESIGNER 65

COOL (BLUISH)

### **SIGNMATE II™**

**4' LENGTHS**

**DIAMETER: 10, 12, 13 & 15 MM**

#### **COLORS**

NEO BLUE

VP GREEN

CLEAR GOLD II

CLEAR BRIGHT YELLOW

### **ACCU WALL TUBING 4' LENGTHS**

**COATED OR UNCOATED: 10, 12, 13 & 15 MM**

#### **COLORS**

RUBY RED

EMERALD GREEN

ORANGE

BROMO BLUE

NOVIAL GOLD

TANGERINE

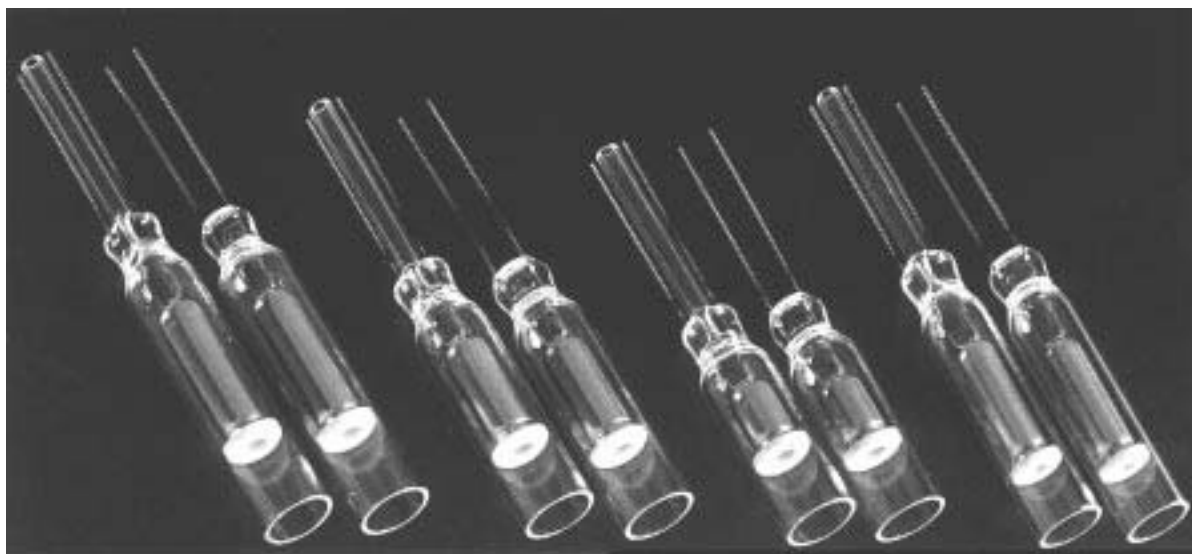
# Neon - Electrodes



## EGL® Electrodes

EGL® manufactures over 75 standard and custom electrodes, the broad selection available. All EGL electrodes are made in the USA under rigid manufacturing procedures to ensure the highest quality standards.

NON-TUBULATED	DIAMETER	LENGTH	TUBULATED
12CF	10mm	2"	T12CF
9CF	12mm	2.5"	T9CF
9CMCF PREM. PLUS	12mm	2"	T9CMCF PREM. PLUS
9CCF PREM. PLUS	13mm	2.5"	T9CCF PREM. PLUS
13F SHORT	13mm	2"	T13F SHORT
8CF	15mm	2.625"	T8CF
8CCSF PREM. PLUS	15mm	2"	T8CCSF PREM. PLUS
8CMCF PREM. PLUS	15mm	2.375"	T8CMCF PREM. PLUS
8CCF PREM. PLUS	15mm	2.625"	T8CCF PREM. PLUS
*ALL EGL ELECTRODES HAVE DURABLE FLEX LEADS*			

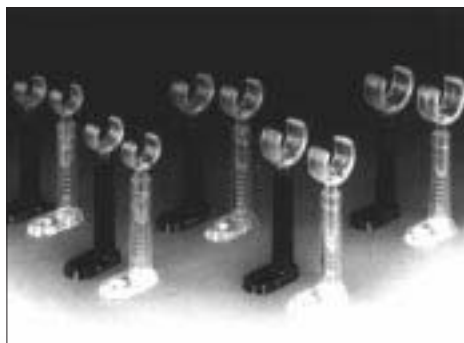


# Neon - Components



## GRAB-IT™ Wireless Tube Supports

Tubing snaps firmly into the clips, eliminating the need for wire twists. Clips are virtually invisible because they are transparent polycarbonate, allowing light to shine through. All GRAB-IT™ supports are spring loaded and provide a 1-3/4" stand off height to accommodate "double-back" tube thicknesses.



### GRAB-IT Tube Supports

FOR TUBE DIAMETER	BASE COLOR
9mm	CLEAR OR BLACK
10mm	CLEAR OR BLACK
12mm	CLEAR OR BLACK
13mm	CLEAR OR BLACK
15mm	CLEAR OR BLACK



## EGL GASES - Standard & Blended



GAS TYPE	CHARACTERISTICS
NEON	For clear red units or for coated tubing.
ARGON	For indoor use, mercury required. For low-voltage fluorescent tubes and lamps.
BLUE	Replaces #1050. Standard mix for warm climates.
K4	Cold weather gas. Best all-weather gas. Mercury required.

**AVAILABLE IN .90 LITER FLASK,  
OR 25 & 50 LITER TANKS.**

**OTHER TYPES OF GASES ARE AVAILABLE,  
PLEASE CALL.**

# Neon Components



## Toggle Switches

20 AMP, 125-277 VAC, 1.5 HP, 6" lead wires. Requires a 1/2" panel opening and has an on/off faceplate.



## G\*CUPS®

Makes safe connections between two double-back electrodes, UL listed, won't burn or melt, won't track or arc-through, when protected from rain and snow. Can be mounted in any direction.



## Tube Supports

UL listed, glass supports on either aluminum or brass bases.

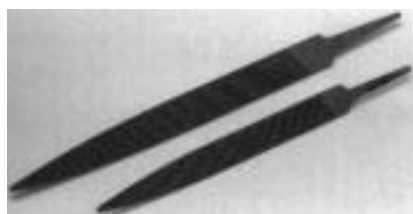
ALUMINUM BASE	LENGTH	#/BOX
	1-3/4"	500
	1-3/4" WITH TIE WIRES	500
BRASS BASE	LENGTH	#/BOX
	1-3/4"	500
	1-3/4" WITH TIE WIRES	500
	3-1/2"	100
	5"	100



## Glass Files

Fine grain, double cross-cut.

**LENGTH**  
6"



# Neon Components



## Glass Housings

UL listed, rated for 7500 VOLTS MAX.

PRODUCT #	DESCRIPTION
#100	LARGE
#200	SMALL
#200 P	SMALL PEANUT



## P-K Housing

ITEM	DESCRIPTION
PKHX	P-K HEX (FEMALE FITTING) COMPLETE
PKRG	P-K REG (MALE FITTING) COMPLETE
PKAC	P-K ACCESSORY BAG (1-2-3 CONNECTOR, STRAIN RELIEF)
PKC	ADJUSTABLE MOUNTING CLAMP



## Hi-VOLT Connector

Ceramic, splices two GT0-15 wires, UL listed, rated for 7500V



## High Volt Splice Enclosure

UL & CSA listed,. For dry, damp and wet locations. Borosilicate glass and metal. Non flammable.



# Neon Components



## Mercury

Triple Distilled

**BOTTLE**

1 LB.



## NonAsbestos

High temp silicone coated fiberglass  
pattern material

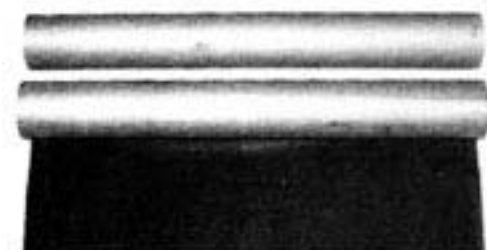
ROLL SIZE	WEIGHT
38" X 25 YARDS	14 LBS.



## CARBON PAPER

Premium grade, extra heavy ink  
on kraft paper backing

COLOR	ROLL SIZE	WEIGHT
BLUE	36" X 25 YARDS	15 LBS.



## Pattern Paper

70 LB. kraft paper, 1" grid  
with 1/4" plot points

WIDTH	ROLL	WEIGHT
48"	110 YARDS	14 LBS.





# Neon Components



## Tie Wire

22 Gauge Copper Wire

### REEL SIZE

1 LB.  
5 LBS.



## Ballast Wire

UL Listed, 14 Gauge, 1000 Volt, 500' ROLL

### COLORS

YELLOW  
BLUE  
RED  
ORANGE  
GREEN  
BROWN  
PURPLE  
BLACK  
WHITE  
BLUE/WHITE  
ORANGE/BLACK  
RED/WHITE



## Electrode Button

Brass with wings to wrap wires

### SPECIFICATIONS #/BOX

.720 DIA. X .015 THICK 1000



## Housing Caps

UL Listed, fits any 10-32 housing

### SPECIFICATIONS #/BOX

1.235 OD .900 HEIGHT 500



## Electrode Caps

Brass

### SIZE DIMENSIONS #/BAG

15 mm LONG .575 ID x .935 THICK 100

15 mm REG .575 ID x .615 THICK 100

12 mm LONG .450 ID x .615 THICK 100

12 mm REG .450 ID x .935 THICK 100



## Cable Supports

Porcelain, with metal screw

### SIZE #/BOX

2-1/2" OVERALL LENGTH 100





# Neon Components



## SNI-SNC

Use with GTO 15 connections, 14-16 gauge wire connection

EYELET	(STUD)	#/BOX
SNI .265	(1/4")	250
SNC .200	(3/16")	200



## Hi-Flex GTO-15 Plascene

UL Listed, flexible 105C rated

GAUGE	COLOR	ROLL
14	GREY	250'
14	BLACK	250'



## Transformer Boxes

These top off model transformer boxes are made of electrogalvanized sheet metal and feature two louvers and four knockouts on each end.

### DIMENSIONS

18" X 7" X 7"



## Louvers

For heat ventilation

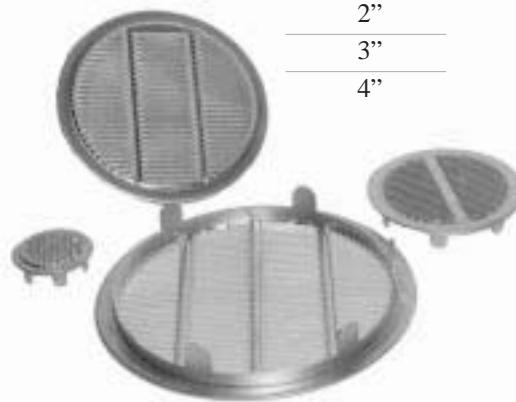
### DIAMETER

1"

2"

3"

4"



# Adhesives



## Hypo Applicators

Plastic bottles with hypo applicator tips for applying resin bond to letter trim and acrylic face.



## Resin Bond

Resin Bond is a glue for use with acrylic plastics, specifically to glue cab plastic based sign trims to acrylics. Will not work with polycarbonate.

### SIZE

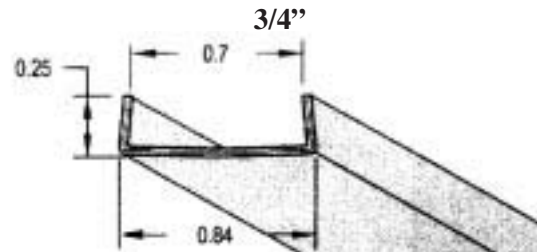
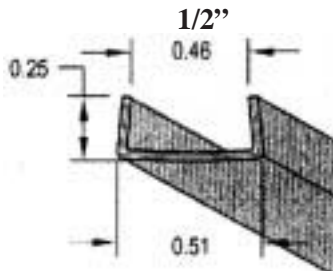
QUART

GALLON



# Neon - Sign Trim

## Sign-A-Trim Plastic Sign Trim



### Snap Trim

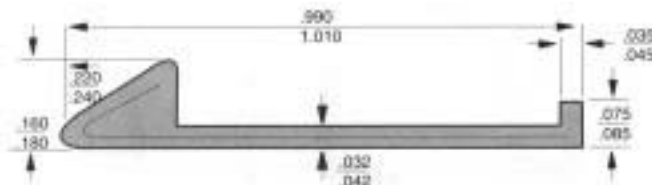
Made of UV resistant CAB and FOIL.

ITEM	LENGTH	#/BOX	COLORS
3/4"	8'	25	WHITE, RED, BLACK, GOLD, SILVER
1/2"	8'	30	WHITE, RED, BLACK, GOLD, SILVER

### Arrow Trim

Made of UV resistant CAB and FOIL.

ITEM	LENGTH	COLORS
1"	10'	WHITE, RED, BLACK, GOLD, BRONZE, GREEN, TARGET RED, TEAL, YELLOW, METALLIC GREEN, CHROME, BROWN, IVORY, METALLIC RED, METALLIC BLUE, BLUE, BRONZE (313), ORANGE, BURGUNDY, BRUSHED GOLD, BRUSHED CHROME
2"	10'	WHITE, RED, BLACK, GOLD, BROWN, ORANGE, BRONZE, BRONZE (313), BLUE, CHROME, GREEN
1" REELS	150'	WHITE, RED, BLACK, GOLD, BRONZE, BRONZE (313), BLUE, GREEN, CHROME SILVER, SATIN SILVER
2" REELS	150'	WHITE, RED, BLACK, GOLD, BRONZE, CHROME SILVER, SATIN SILVER



**1" ARROW TRIM**  
U.L. Listed



**150' SIGN TRIM DISPENSER REEL**

# Neon Components



## Short Stops

Short Stops are used to insulate connections between electrodes and GTO cables. An internal ring makes short stops weather tight. UL listed.

CODE	SIZE	COLORS
SS0	10MM	GREY
SS3	13MM	BLACK, GREY, WHITE
SS5	15MM	BLACK, GREY, WHITE
SS6	16MM	GREY
<b>WIDE</b>		
SSW3	13MM	WHITE
SSW5	15MM	WHITE
SSW6	16MM	WHITE



## End Caps

End Caps are used to insulate connections between electrodes and GTO cables, room for return provided. UL listed.

CODE	SIZE	COLORS
EC0	10MM	GREY
EC3	13MM	BLACK, GREY, WHITE
EC5	15MM	BLACK, GREY, WHITE
EC6	16MM	BLACK, GREY, WHITE
<b>WIDE</b>		
ECW5	15MM	WHITE, GREY



## Long Sleeves

Long Sleeves are used to insulate connections between electrodes placed 1" to 3" from each other. UL listed.

CODE	SIZE	COLORS	LENGTH
LS3	13MM	GREY	6"
LS5	15MM	GREY	6"



# Neon Components



## GTO COVERING® 3870

GTO Covering is used to protect and cover GTO cables in any indoor or outdoor sign enclosure, or in any outdoor channel letters, with any sign face material. Wall thickness is 1.8MM (.070") and acts as an effective corona barrier. Made of flame retardant Pyrolene™II.

CODE	SIZE	COLORS
3870	O.D. – .515" I.D. – .375"	BLACK WHITE GREY

**250 FEET PER ROLL**



## GTO SLEEVING® 3730

same uses as above but also for use with wide end caps and wide short stops.

CODE	SIZE	COLORS
3730	O.D. – .365" I.D. – .305"	BLACK WHITE GREY

**100 FEET PER ROLL**



# Neon Components



## PASS THRU™ Connectors

Pass Thru™ Wiring Assembly Conduits are designed to protect GTO cables passing through walls, ceilings, raceways, channel letters and sign enclosures. Each Pass Thru™ Connector comes with 4 locknuts, 2 plastic bushings, 1 sealing bushing and 1 ground ring.

PRODUCT CODE	SIZE
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PTGR2	2"
PTGR4	4"
PTGR6	6"
PTGR8	8"
PTGR12	12"



## Straight Connector

Female connector is used to twist-on fasten 3/8" flexible metallic conduit to a Pass Thru™ conduit. Male connector is used to twist-on fasten 3/8" flexible metallic conduit to a transformer 1/2" knockout. Both are made of die-cast zinc.

STYLE	CODE	SIZE
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FEMALE	SCF38	3/8"
MALE	SC38	3/8"
FEMALE	SCF12	1/2"
MALE	SC12	1/2"



Use the STRAIGHT CONNECTOR FEMALE to twist-on fasten 3/8 and 1/2 inch flexible metallic conduit to the PASSTHRU™



Use the STRAIGHT CONNECTOR to twist-on fasten 3/8 and 1/2 inch flexible metallic conduit to a transformer enclosure.

# Neon Components



## High Voltage Connector

High Voltage Connectors insulate between two GTO cables. Made from die cast zinc housing with mounting bracket, ground screw, one-screw duplex clamp and one piece insulator cap made of flame retardant Pyrolene™.

PRODUCT	DESCRIPTION
HVC1001	ACCEPTS 1/2" CONDUIT

### ■ HVC™ 1001 1/2" FLEX

STRONGER ONE PIECE  
INSULATOR CAP

STRONGER ONE PIECE DIE  
CAST ZINC HOUSING,  
WITH MOUNTING  
BRACKET.

INCLUDES ONE-SCREW  
DUPLEX CLAMP

ACCEPTS 1/2" -  
CONDUIT :

GTOFLEX®

METALLIC  
GREENFIELD.



## Tube Supports

Tube Supports are made of UV stabilized polycarbonate and are used to attach neon tubing to sign frames. One size fits all 12MM, 13MM and 15MM tubing.

PRODUCT	COLOR	SIZE
TS1000	CLEAR	ONE SIZE FITS 12MM, 13MM OR 15MM





# Neon Components



*Diversified  
Components, Inc.*

## End Caps

PRODUCT	SIZE	COLOR
C-10	10mm	GREY
C-12	12mm	GREY
C-12B	12mm	BLACK
C-13	13mm	GREY
C-13B	13mm	BLACK
C-15	15mm	GREY
C-12BC	15mm	GREY
C-D	DBL. CAP	GREY



## Short Stops

PRODUCT	COLOR
102-SS	GREY
102-SS B	BLACK



## Non-Metallic Greenfield

For insulating G.T.O. lines

PRODUCT	SIZE	ROLL
NMG-38	3/8"	100'



## Sleeves

PRODUCT	SIZE
S-10	10mm
S-12	12mm
S-13	13mm
S-15	15mm



## Quik-Support

Tube Supports

CODE	QUANTITY
Q-S	100
	500
	1000



## Wiring Devices

PRODUCT	DESCRIPTION
101-E	1/2" SPACER
101-F	G/F CONNECTOR
101-G	CL G/F CONNECTOR
101-N	1/4" NUTS



## Quik-Connect

For channel letter installation

PRODUCT	LENGTH
101-A	2"
101-B	4"
101-C	6"
101-D	8"



# Neon - Accessories



## STA\*ZON Block Out Paint

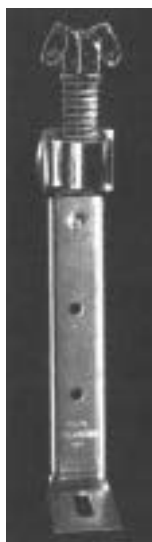
STA\*ZON Block Out Paint is used on neon sign tubing where portions of the tubing are not to show when the sign is illuminated. STA\*ZON Block Out is a rubber-based paint that will remain flexible and will not peel. It is quick-drying and weather-resistant.

### STA\*ZON Block Out Paint

COLOR	SIZE
BLACK	QUART
GREY	QUART
WHITE	QUART
STA*ZON BLOCK OUT THINNER	
	QUART



## Aluminum Extension Posts

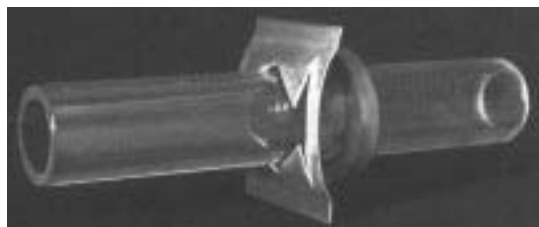


Allows for special applications where the tube needs to be extended several inches from the sign face. Cut off notches from 2-1/2" to 5-1/2". Comes complete with screws. (Tube support and base are not included).



## Slipstick Glass Bushing

Slipstick glass bushings are for use with high tension cables and have a one-way spring steel clip that slips easily into an automatic adjustment and won't back off. Has a secure rubber shoulder and heavy-wall insulating tubing.



# Neon Tube Supports

## Clear-Vue Neon Tube Supports

Optically clear acrylic support system for neon tube installations. For use wherever visual aesthetics are particularly important: architectural trim, window signage, art pieces, clocks, storefronts, etc. Tube attaches easily to support with a wire twist. For interior or exterior applications. Fits any size tubing.

ITEM	HEIGHT
NEC10	10mm (3/8 inch)
NEC20	20mm (3/4 inch)
NEC30	30mm (1-3/16 inch)
NEC40	40mm (1-9/16 inch)
NEC50	50mm (2 inch)
NEC60	60mm (2-3/8 inch)
NEC70	70mm (2-3/4 inch)

