![bridgelux logo]

Bridgelux® Vesta® Flex
Wire Insertion Tool

Product Data Sheet DS 471

Product Feature Map

The Bridgelux Vesta Flex Wire Insertion Tool is designed to assist in inserting and releasing wires into or from poke in terminals of a Vesta Flex Dual Channel Driver. For more information on the Vesta Flex Dual Channel Driver terminal configuration, please refer to the specifications in the Vesta Flex Dual Channel Driver data sheets on www.bridgelux.com.

Tapered Handle

Straight Tip

90° Bend Handle

Product Nomenclature

The part number designation for the Bridgelux Vesta Flex Wire Insertion Tool is explained as follows:

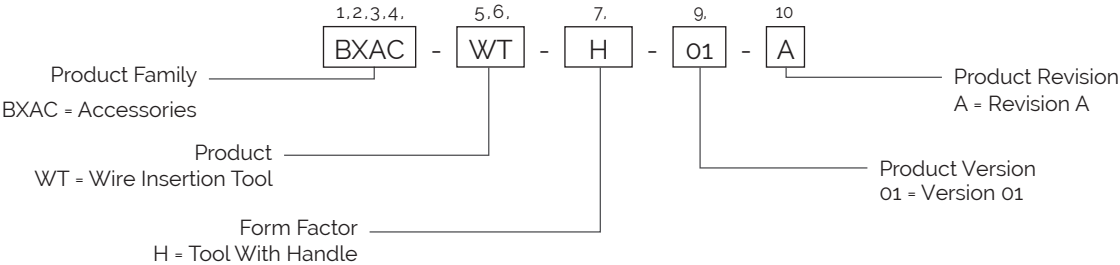| 1,2,3,4,	5,6,	7,	9,	10
BXAC	- WT	- H	- 01	- A

Product Family
BXAC = Accessories

Product
WT = Wire Insertion Tool

Form Factor
H = Tool With Handle

Product Revision
A = Revision A

Product Version
01 = Version 01

Table 1: Product Selection Guide
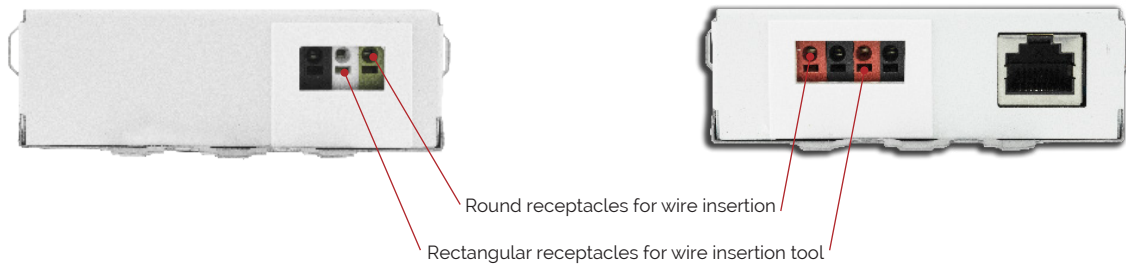
Part Number	Configuration
BXAC-WT-H-01-A	Wire Insertion Tool with 90 deg bend Handle

User Information

The Vesta Flex Dual Channel Driver terminals provide for an easy poke in connection of wires into the terminal's round receptacles. When pushing a wire into the terminal's round receptacles, the applied push force needs to push open a spring loaded internal contact before the wire can slide into position. Stranded, stranded tinned and thin solid wires may not be strong enough to push open the internal contact and therefore the terminals provide for additional rectangle receptacles which are dedicated for the insertion of a wire insertion tool. When such a wire insertion tool is pushed into the rectangular receptacle, it pushes open the internal contact which then clears the way for an easy insertion of the wire into the round receptacle. Once the wire is properly inserted, the Wire Insertion Tool can be removed which allows for the internal contact to clamp the wire and form a reliable connection.
When disconnecting a wire from the terminal, the Wire Insertion Tool needs to be inserted before the wire can be released with minimum pull force.

Figure 1: Vesta Flex Dual Channel Driver,
Primary Side Input Terminal

Figure 2: Vesta Flex Dual Channel Driver,
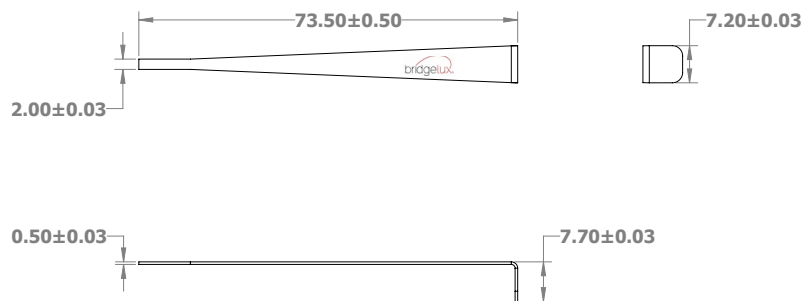Secondary Side Output Terminal

Round receptacles for wire insertion

Rectangular receptacles for wire insertion tool

Mechanical Characteristics

Table 2: Wire Insertion Tool Mechanical Characteristics

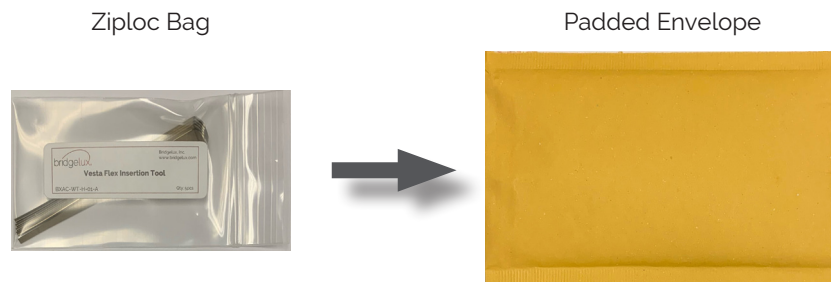| Properties	Specification
Material	Metal
Weight	1.4 grams

Figure 3: Mechanical Drawing

Notes for Figure 3:
1. Drawing dimensions are in millimeters

Packaging

Table 3: Packaging Configuration

	Specification
Padded Envelope Dimensions	185 mm (L) x 125 mm (W) x 12 mm (H)
Weight	16 grams
Quantity (pcs) Per Bag	5 pcs Vesta Flex Wire Insertion Tools

Figure 4: Packaging Material

Ziploc Bag   Padded Envelope

Notes for Figure 4:
1. One Ziploc bag contains 5 pcs Vesta Flex Wire Insertion Tools.
2. One Ziploc bag is placed inside a padded envelope and shipped.

Design Resources

Application Notes

Please contact your Bridgelux sales representative for assistance on obtaining application support when using the Bridgelux Vesta Flex Wire Insertion Tool. For a list of available resources, visit www.bridgelux.com.

Precautions

CAUTION: PRODUCT HANDLING

Incorrect use of the Vesta Flex Wire Insertion Tool can result in wires not making contact with the the Vesta Flex Dual Channel Driver poke in terminals which results in no power to the driver or the Vesta Tunable White Arrays and Modules. Handle the Vesta Flex Dual Channel Driver with care when inserting wires into the driver's poke in terminals to prevent any damage of the terminals and wire connections.

Disclaimers

MINOR PRODUCT CHANGE POLICY

The rigorous qualification testing on products offered by Bridgelux provides performance assurance. Slight cosmetic changes that do not affect form, fit, or function may occur as Bridgelux continues product optimization.

About Bridgelux: Bridging Light and Life™

At Bridgelux, we help companies, industries and people experience the power and possibility of light. Since 2002, we've designed LED solutions that are high performing, energy efficient, cost effective and easy to integrate. Our focus is on light's impact on human behavior, delivering products that create better environments, experiences and returns—both experiential and financial. And our patented technology drives new platforms for commercial and industrial luminaires.

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linkedin.com/company/bridgelux
WeChat ID: BridgeluxInChina

46430 Fremont Blvd

Fremont, CA 94538 USA

Tel (925) 583-8400

www.bridgelux.com

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