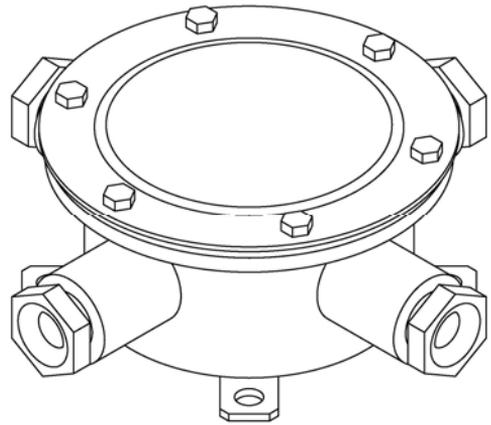


MARKING: EX Exd II CT6
EX CERTIFICATE: CNEx05.0534
LICENSE: XK06-123-00251

MANUAL BOOK



Veilux SVEX-JXD Junction Box



SAFETY NOTES

Please read the Instruction Manual carefully before your operation

1. Installation

- „ Please install under required environment
- „ Ensure stable and reliable mounting in case camera be damaged
- „ Ensure supply power same as nameplate marked before equipment being powered
- „ Do not open the pan/tilt and enclosure under humid atmosphere, otherwise video picture will be influenced because of enclosure good sealing, humidity could not go outside.
- „ Please connect cable correctly

2. Maintenance

- „ Please shut off before maintenance and repair
- „ Pay attention to the flameproof joint while disassembly and assembly

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1. General description

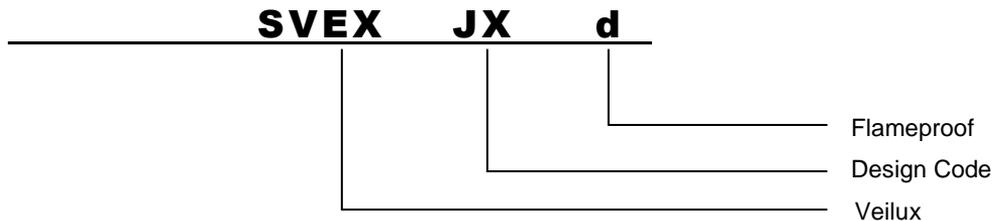
SVEX-JXD JUNCTION BOX is assistant equipment for industry television and communication system, which is installed high quality connectors inside housing for cable connection or signal dispatch.

SVEX-JXD is Strictly according to GB3836.1-2000 GB3836.1—2000 Electrical apparatus for explosive atmosphere: General requirements, GB3836.2-2000 Electrical apparatus for explosive atmosphere: Flameproof

'd', and with material of stainless steel and IP68, so it could be used in petroleum, chemical industry, jetty, port, mine, space, army and foodstuff area.

2. Technical parameter

2.1 Type



2.2 Certificate

Ex marking	Exd II CT6
Certificate	CNEx10.1192
License	XK06-123-00251

2.3 Electric Parameter

Electric Connection	max 8-pin terminals
Rated value	220V / 20A
Cable size	22~14AWG

2.4 Mechanical parameter

Material	Stainless 304
IP	IP68
Outer Dimension	200(H) x 200(W) x 80(D) mm
Unit Weight	3.5Kg
Ship Weight	13Kg (each package 3pcs)
Cable Outlets Qty	4
Outlets Screw Type	G-3/4"
Mount Type	Indoor/Outdoor/Bracket mounting

2.5 Environmental parameter

Air pressure	86~106KPa
Environment temperature	-45℃~+60℃
Relative humidity	U95%RH(+25℃)

2.6 Shape dimension and installation size

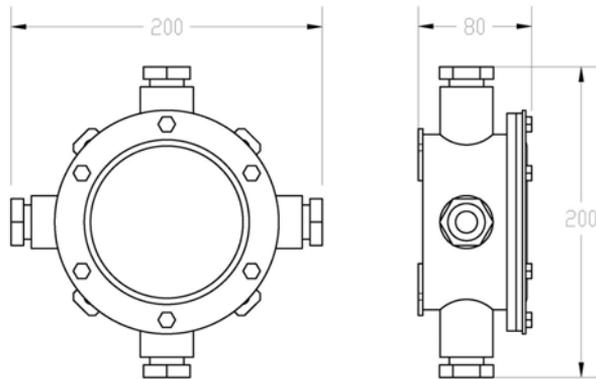


Fig.1. SVEX-JXD Shape Dimension

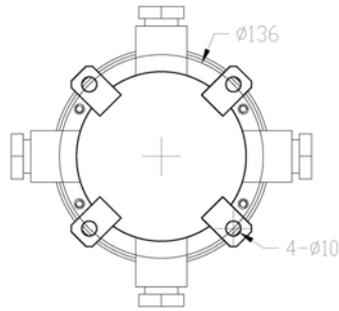


Fig.2. Bottom Fixing holes

3. Installation

3.1 Guidelines for the installation

Before installations check the following items one by one:

- a. Ex certificate No.
- b. The ex-marking should be suitable to the environment
- c. No crack and defect, which may affect the flameproof property on the flameproof parts.

If any fault, the control box is not allowed to put into service.

3.2 Cable

3.2.1 Choose the Ex Cable

- a. As Fig.3, cover the ex-flexible tube on the cable in advance; after remove the gland nut, keep standard washer and rubber ring (also choose the spare parts in the packing box),

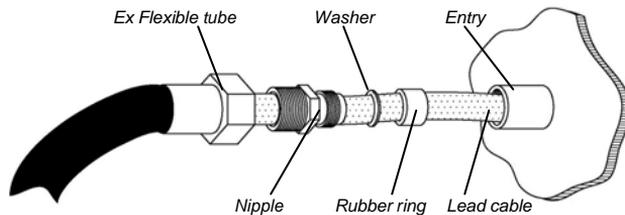


Fig.3

- b. As Fig.4, firstly tightening screw joint and then tightening ex flexible tube

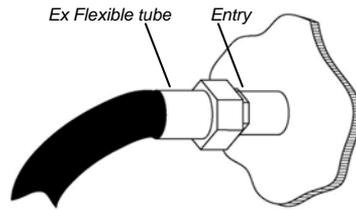


Fig.4

3.2.2 Choose the armored Cable

a. As Fig.5, according to the fact requirement, remove proper length for the outer sheath of cable to expose the metal armor (steel plate) and cut off the superfluous part.

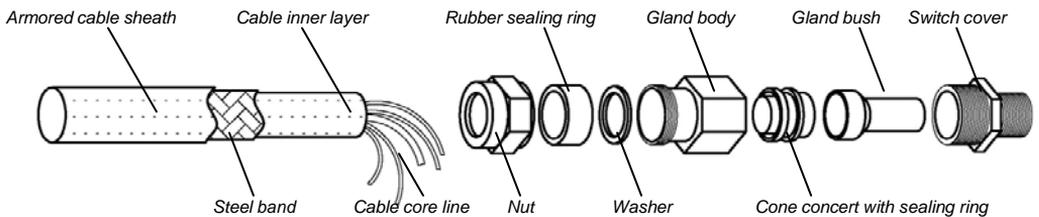


Fig.5.

b. As Fig. 6, installed Ex gland to armored cable, about the operation method of Ex gland, please reference the installation of Ex gland.

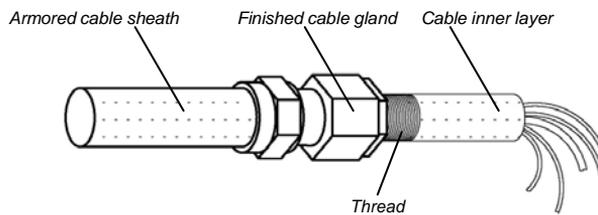


Fig.6.

c. Armored cable with ex gland could be connect with any ex equipment directly

4. Instruction of Flameproof structure

.. Completely consider the explosive air getting into the enclosure of the control box, as the flameproof principle, explosion happened inside caused by igniting explosive gases. Ensure the explosion-proof

performance of the decoder box based on the strength of enclosure, the clearance, length of the joints and the limit of maximum surface temperature for the enclosure.

- „ The enclosure after finish machining, should be subjected to hydrostatic pressure test with 1.5MPa for 10S~60S that specified in the GB3836.2-2000/EN60079-0:2006, without any leakage or damage.
- „ Max. surface temperature shall not more than 80℃ while it is operating.
- „ The control box adopt Gland nut with rubber sealing ring as the cable entry, and make the cable tight and no move.
- „ When mounting wiring, choose the sealing ring with inner hole of $\Phi 8$, “ $\geq \Phi 7.5$ ” cast on the face. The outer diameter of cable must to matching with the diameter of inner hole for the sealing ring. See Fig. 19,20,21:



Fig.7. 8mm sealing ring



Fig.8. 10mm sealing ring



Fig.9. 12mm sealing ring

5. SHIPPING AND STORAGE

The product could be transport by any way free of rain and snow after package, It could be stored in the environment that the temperature from 0℃ to 40℃ and the relative humidity should not exceed 90% more than one year.

6. ACCESSORIES INSTALLATION

When leaving factory, 8mm airproof rubber loops are installed inside of every camera outlet. 8mm bushing and tighten nut installed in the cable entry without cable. Provide airproof rubber loop with 10mm,12mm each and one drier. Additionally with copper made screw of 1/4" 6mm, 12mm each as accessories.

7. QUALITY GUARANTEE

For any SVEX monitor produced by Veilux, we promised a one year to repair warranty.

During the period of Guarantee, we supply free service except following situations:

- .. User does not operate as the requirement of Instruction manual
- .. User dismantle the product presume to lead it damaged
- .. Lightning or Act of God

If there are additional agreements between Veilux and buyer, then agreements shall be strictly done

10. COMPANY COMMITMENT

- .. Veilux owns the final design changing and final specification rights and no responsibility to inform user
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