

# Factory Acceptance Test

## 1. General Information

Factory Acceptance Test Report – EPDM Cold Shrink Tube

<b>Product Description</b>	<b>EPDM halogen-free; peroxide- or sulfur-cured</b>
<b>Product Name</b>	EPDM Cold Shrink Tube
<b>Application</b>	Cable insulation / sealing / protection
<b>Product Model / Part No.</b>	AN102/AN103/AN104
<b>Quantity</b>	1
<b>Date of Test</b>	2026/01/29
<b>FAT Location</b>	Jiangsu Province 213200. China.
<b>Standards Referenced</b>	ISO 37 IEC60502-4 / GB/T 12706-4

## 2. FAT Scope & Purpose

### Purpose:

- Verify product conformity before shipment.
- Confirm material, dimensions and performance meet technical requirements.
- Ensure suitability for market applications.

### Scope:

#### a) Visual inspection.

##### Criterion:

- The surface shall be smooth and flat, free from defects such as scratches, cracks, bubbles, impurities, or stains.
- End faces shall be cut cleanly, free from burrs, tears, or deformation.
- Color shall be uniform, free from discoloration or color variation.
- Markings shall be clear, free from blurring, misprinting, or omission.

##### Conclusion:

- Upon visual inspection, the sample exhibits a smooth surface without damage, and the end faces are neat, meeting the appearance quality standards.
- No abnormalities were detected; the appearance inspection is approved.

<b>Semi-finished products</b>	<b>Finished products</b>
	

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**b) Dimensional Table.**

Product Number	Product Diameter Range		Insulating tube recovered			Support tube		Support strip	
			Inner diameter	Thickness	Length	Inner diameter	Length	Thickness	Width
AH102	15.70	30.10	13	6~6.5	203	35	228	1.6	6
AH103	22.40	41.40	18	6~6.5	254	50	280	2	9
AH104	25.40	49.30	20	6~6.5	305	55	325	2	9

**Conclusion: The products are fulfill the client request.**

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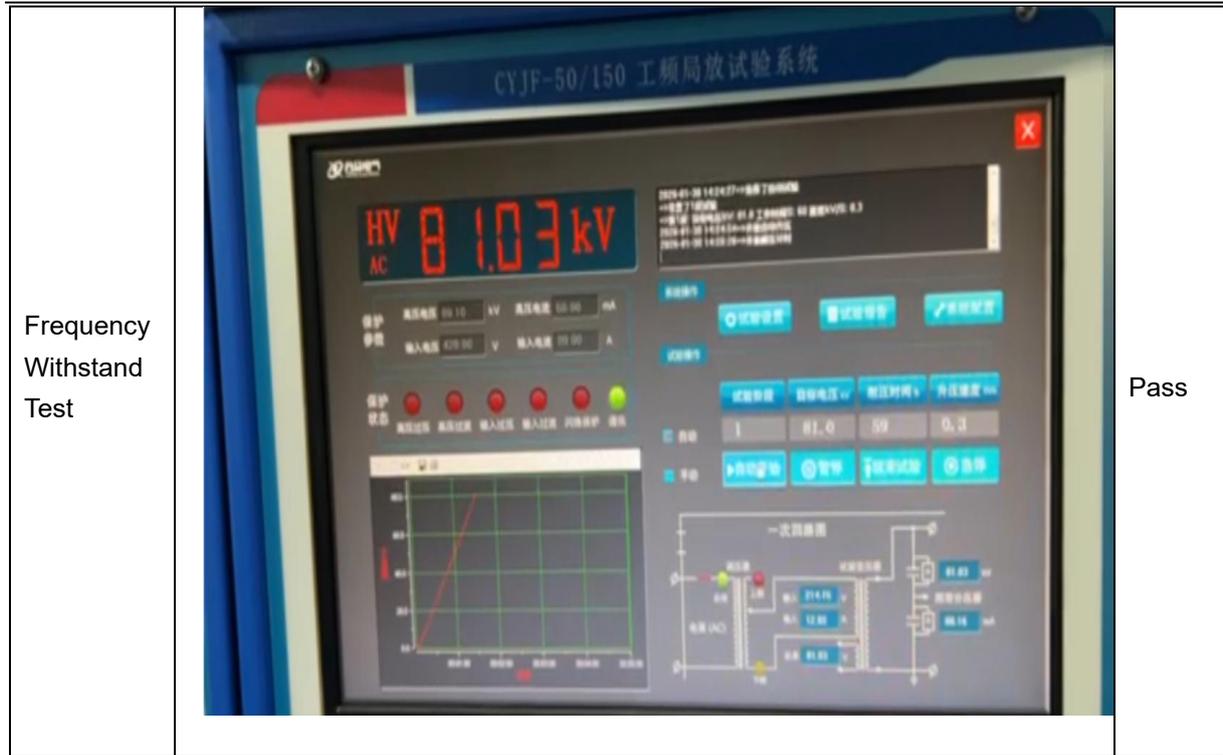
**3. Power Frequency Withstand Voltage**

**Standards Referenced:** IEC60502-4

**Criterion:** No breakdown shall occur on the samples at 4.5U<sub>0</sub> (39kV) for 5min.

Test Content	Image Attached	Result
Product Installation		Pass

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Frequency Withstand Test

Pass

## Test Data

试品	Product Name:35KV EPDM Tube		试品	35KV	
湿度	humidity :	65	%RH	温度:	18
阶段	电压kV	(AC)	高压电流mA	耐压时间S	
1	Voltage:	81.00	Current:	0.16	Duration:
2					
3					
4					
5					